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1925

JOURNAL
OF
THE CHEMICAL SOCIETY

SUPPLEMENTARY NUMBER,
CONTAINING
TITLE-PAGES, CONTENTS,
AND
INDEXES.

1925. Vol. CXXVII.

LONDON:
GURNEY AND JACKSON
33, PATERNOSTER ROW, E.C. 4.

PRINTED IN GREAT BRITAIN BY RICHARD CLAY & SONS, LIMITED,
BUNGAY, SUFFOLK.

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Veratrylnorhydrohydrastinine, 6′-bromo-, and its salts, and formyl derivative and 6′-nitro- (HAWORTH and PERKIN), 1450.
β-Veratrylpropionic acid, α-cyano-, (BAKER and ROBINSON), 1433.
β-Veratrylpropionitrile (BAKER and ROBINSON), 1433.
Vinylarsines, chloro- (HUNT and TURNER), 996.
Violuric acid, absorption spectra and ionisation of (MORTON and TIPPING), 2514.
Volume, molecular, changes in, of monobasic fatty acids (GARNER and RYDER), 720.

W.

Walden inversion (KENYON, PHILLIPS, and TURLEY), 399; (SENTER and WARD), 1847.
Water, photosensitive formation of, in presence of chlorine (NORRISH and RIDEAL), 787.
ionic activity of, in glycerol–water mixtures (COLVIN), 2788.
adsorption of, on surfaces of glass and platinum (MCHAFFIE and LENHER), 1559.
decomposition of, by metallic couples (HEDGES and MYERS), 495.
detection and estimation of, in methyl alcohol (HARTLEY and RAIKES), 526.

X.

2-*m*-Xylidino-5-ethoxy-4:5-dihydrothiazole, and its picrate (NIMKAR and (PYMAN), 2746.

Y.

Yttrium hydroxide, electrometric precipitation of (BRITTON), 2142.

Z.

Zinc, allotropy of (STOCKDALE), 2954.
effect of colloids on the displacement of lead and copper from their salts by (GRAY), 776.
Zinc hydroxide, electrometric precipitation of (BRITTON), 2120.
Zirconium hydroxide, electrometric precipitation of (BRITTON), 2120.

FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Salts are placed with the compounds from which they are derived. The chlorides, bromides, iodides, and cyanides of quaternary ammonium bases, however, are registered as group-substances.

C_1 Group.

CH_4 Methane, ignition of mixtures of air with (WHEELER), 14.

CCl_4 Carbon tetrachloride, dielectric constant of (HARRIS), 1065.

1 II

$CHCl_3$ Chloroform, dielectric constant of (HARRIS), 1066.

CH_2O Formaldehyde, vapour pressure of, in aqueous solutions (BLAIR and LEDBURY), 26, 2832.

CH_2O_2 Formic acid, velocity of reaction of bromine with (HAMMICK, HUTCHISON, and SNELL), 2715; action of, on sesquiterpenes (ROBERTSON, KERR, and HENDERSON), 1944.

CH_2Te_2 Ditelluromethane (MORGAN and DREW), 537.

CH_4O Methyl alcohol, preparation of pure (HARTLEY and RAIKES), 524.

CH_5N Methylamine, detection of, in presence of ammonia (VALTON), 40.

CNS Thiocyanogen, action of, on unsaturated compounds (CHALLENGER and BOTT), 1038.

1 III

$CH_2Cl_4Te_2$ Methylenebistelluritrichloride (MORGAN and DREW), 536.

CH_4ON_2 Carbamide, reaction of sodium hypobromite with (DONALD), 2255.

1 V

CHO_3ClBrS Chlorobromomethanesulphonic acid, optical activity of, and its salts (READ and MCMATH), 1572.

C_2 Group.

C_2H_2 Acetylene, explosion of mixtures of nitrogen and (GARNER and SAUNDERS), 77.

2 II

$C_2H_2O_4$ Oxalic acid, formation of, from ether, and its uranium salts (ROWELL and RUSSELL), 2900; dissociation constants of (BRITTON), 1905; tervalent molybdenum salts (WARDLAW and PARKER), 1311; silver salt, decomposition of (MACDONALD and HINSHELWOOD), 2764.

$C_2H_4Cl_2$ Ethylene dichloride, dielectric constant of (HARRIS), 1066.

C_2H_6O Ethyl alcohol, partial pressures of aqueous solutions of (DOBSON), 2866; swelling and dispersion of colloids in mixtures of ether and (MARDLES), 2940; catalysis by alumina of the reaction between ammonia and (DORRELL), 2399.

2 III

$C_2HO_2Cl_3$ Trichloroacetic acid, additive compounds of, with esters (KENDALL and BOOGE), 1771.

$C_2H_4OCl_2$ *s*-Dichlorodimethyl ether, condensation of phenylethylamine with (SHORT), 269.

2 IV

$C_2H_3O_3ClS$ Chlorosulphoacetic acid, preparation and resolution of, and its salts (BACKER and BURGERS), 233.

$C_2H_5O_2SNa$ Sodium ethyl sulphoxylate (VOGEL and PARTINGTON), 1522.

C_3 Group.

$C_3H_4O_4$ Malonic acid, dissociation constants of (BRITTON), 1906; alkaline earth salts, solubilities of (WALKER), 62.

$C_3H_6O_2$ Methyl acetate, equilibrium of the hydrolysis of (BURROWS), 2723.

$C_3H_6O_3$ Trioxymethylene, action of, on Grignard reagents (MARSHALL), 2188.

$C_3H_8O_3$ Glycerol, ionic activity of water in aqueous solutions of (COLVIN), 2788; liquid and vapour phases of aqueous mixtures of (IYER and USHER), 841.

3 IV

$C_3H_{10}Cl_3SbPd$ Trimethylstibinedichloropalladium hydrochloride (MORGAN and YARSLEY), 190.

C_4 Group.

$C_4H_4O_2$ Methyl propiolate (INGOLD), 1203.

$C_4H_4O_4$ Fumaric acid, Röntgen ray structure of (YARDLEY), 2207; thallous salt (CHRISTIE and MENZIES), 2370.

Maleic acid, Röntgen ray structure of (YARDLEY), 2207; thallous salt (CHRISTIE and MENZIES), 2370.

C_4H_6O Acetic anhydride, interaction of tellurium tetrachloride and (MORGAN and DREW), 531.

$C_4H_6O_4$ Succinic acid, dissociation constants of (BRITTON), 1906; alkaline earth salts, solubilities of (WALKER), 62; thallous salt (CHRISTIE and MENZIES), 2370.

$C_4H_6O_6$ Tartaric acid, dissociation constants of (BRITTON), 1905; thallous salt (CHRISTIE and MENZIES), 2371.

$C_4H_7N_3$ 2-Amino-4(5)-methylglyoxaline (BURTLES and PYMAN), 2017.

C_4H_8O Methylvinylcarbinol, resolution and rotation of (KENYON and SNELLGROVE), 1174.

$C_4H_8O_2$ Ethyl acetate, effect of salts, sugars, and temperature on solubility of (GLASSTONE and POUND), 2660.

$C_4H_8S_2$ Triethylene trisulphide, supposed true nature of (BENNETT and BERRY), 910.

$C_4H_{10}O_2$ Ethyl ether, swelling and dispersion of colloids in mixtures of alcohol and (MARDLES), 2940; oxidation of, to oxalic acid in presence of uranyl nitrate (ROWELL and RUSSELL), 2900.

$C_4H_{10}O_3$ α-Methyl glycerol (GILCHRIST and PURVES), 2744.

4 III

$C_4H_3O_4N_3$ Violuric acid, absorption spectra and ionisation of (MORTON and TIPPING), 2514.

$C_4H_6O_4Te$ Tellurodiacetic acid, and its salts (MORGAN and DREW), 535.
$C_4H_6O_4Te_2$ Ditellurodiacetic acid (MORGAN and DREW), 536.
$C_4H_8OCl_2$ β-Methyl αγ-dichlorohydrin (GILCHRIST and PURVES), 2743.
$C_4H_8Cl_2Se$ ββ′-Dichlorodiethyl selenide (BELL and GIBSON), 1882.
$C_4H_8Cl_4Se$ ββ′-Dichlorodiethyl selenide dichloride (BELL and GIBSON), 1880.
$C_4H_8Br_2Se$ ββ′-Dibromodiethyl selenide (BELL and GIBSON), 1883.
$C_4H_8Br_4Se$ ββ′-Dibromodiethyl selenide dibromide (BELL and GIBSON), 1881.
$C_4H_{11}O_2P$ Diethylphosphinic acid, silver salt of (COLLIE), 964.

4 IV

$C_4H_8O_2N_2S$ Nitrothiol-2-methylglyoxaline, and its ammonium salt (BHAGWAT and PYMAN), 1835.
$C_4H_5O_4NCl_2$ Ethyl dichloronitroacetate (MACBETH and TRAILL), 895.
$C_4H_5O_4NBr_2$ Ethyl dibromonitroacetate (MACBETH and TRAILL), 896.
$C_4H_6O_4Cl_2Te$ Dichlorotelluridiacetic acid (MORGAN and DREW), 534.
$C_4H_7OCl_3Te$ Tellurium methylethylketone trichloride (MORGAN and ELVINS), 2628.
$C_4H_8Cl_2Br_2Se$ ββ′-Dibromodiethyl selenide dichloride (BELL and GIBSON), 1883.
ββ′-Dichlorodiethyl selenide dibromide (BELL and GIBSON), 1883.
$C_4H_9O_4N_2Cl$ Ammonio-derivative of ethyl chloronitroacetate (MACBETH and TRAILL), 895, 1122.
$C_4H_9O_4N_2Br$ Ammonio-derivative of ethyl bromonitroacetate (MACBETH and TRAILL), 896.
C_4H_9ClSHg *iso*Butyl mercaptan mercurichloride (BIRCH and NORRIS), 905.
$C_4H_{10}O_4N_3Cl$ Ethyl chloronitroacetate hydrazide (MACBETH and TRAILL), 1122.
$C_4H_{10}Cl_2S_2Cd$ Dimethyldithiolethylene cadmium chloride (MORGAN, CARTER, and HARRISON), 1922.
$C_4H_{10}Cl_2S_2Zn$ Dimethyldithiolethylene zinc chloride (MORGAN, CARTER, and HARRISON), 1921.
$C_4H_{10}Br_2S_2Cd$ Dimethyldithiolethylene cadmium bromide (MORGAN, CARTER, and HARRISON), 1922.
$C_4H_{10}I_2S_2Zn$ Dimethyldithiolethylene zinc iodide (MORGAN, CARTER, and HARRISON), 1921.

4 V

$C_4H_5O_4NClBr$ Ethyl chlorobromonitroacetate (MACBETH and TRAILL), 896.

C_5 Group.

C_5H_5N Pyridine, distribution of, between water and benzene (WOODMAN and CORBET), 2461.
$C_5H_9N_3$ 2-Amino-4:5-dimethylglyoxaline, and its salts (BURTLES and PYMAN), 2015.
$C_5H_{10}O$ Ethylvinylcarbinol, resolution and rotation of (KENYON and SNELLGROVE), 1175.
$C_5H_{10}O_5$ Arabinose, constitution of (HIRST and ROBERTSON), 358.
$C_5H_{10}S$ Pentamethylene sulphide, and its salts (THIERRY), 2758.
$C_5H_{12}O_2$ αβ-Dimethylglycerol (GILCHRIST and PURVES), 2743.

5 III

$C_5H_3O_5N_3$ 3:5-Dinitro-4-pyridone (CROWE), 2029.
$C_5H_4O_3N_2$ 3-Nitro-4-pyridone (CROWE), 2028.
$C_5H_5O_3N_3$ 3-Nitro-5-amino-4-pyridone, and its hydrochloride (CROWE), 2029.
$C_5H_5O_4I$ 1-Iodo*cyclo*propane-1:2-dicarboxylic acid (ING and PERKIN), 2394.
$C_5H_6ON_2$ 3-Amino-4-pyridone, and its salts (CROWE), 2029.

$C_5H_7O_2N_3$ Nitro-1:2-dimethylglyoxalines, and their salts (BHAGWAT and PYMAN), 1833.

$C_5H_7O_4K$ Potassium ethyl malonate, electrolysis of (ROBERTSON), 2057.

$C_5H_8N_2S$ 2-Methylamino-4-methylthiazole, and its hydrochloride (BURTLES, PYMAN, and ROYLANCE), 588.

2-Thioldimethylglyoxalines (BURTLES, PYMAN, and ROYLANCE), 586.

$C_5H_{10}O_2N_2$ Glutardialdoxime, preparation of (SHAW), 215.

Malonmonoethylamide (WEST), 750.

$C_5H_{11}IS$ Tetramethylene sulphide methiodide (THIERRY), 2758.

$C_5H_{12}O_4N_2$ Hydrazine derivative of ethyl α-nitropropionate (MACBETH and TRAILL), 897.

5 IV

$C_5H_8O_4NCl$ Ethyl α-chloronitropropionate (MACBETH and TRAILL), 896.

$C_5H_8O_4NBr$ Ethyl α-bromonitropropionate (MACBETH and TRAILL), 897.

$C_5H_9OCl_3Te$ Tellurium diethylketone trichloride (MORGAN and ELVINS), 2629.

$C_5H_9O_2N_2Br$ Bromomalonmonoethylamide (WEST), 751.

C_6 Group.

C_6H_6 Benzene, dielectric constant of (HARRIS), 1065; cryoscopy with (JONES and BURY), 1947.

6 II

$C_6H_4O_2$ *p*-Benzoquinone, preparation of (CRAVEN and DUNCAN), 1489.

$C_6H_4O_6$ 3:5-Dinitrocatechol, colorimetric dissociation constants of (LAXTON, PRIDEAUX, and RADFORD), 2499.

4:6-Dinitroresorcinol, colorimetric dissociation constants of (LAXTON, PRIDEAUX, and RADFORD), 2499.

C_6H_6O Phenol, surface tension of aqueous solutions of (GOARD and RIDEAL), 780, 1668; molecular condition of, in benzene (PHILIP and CLARK), 1274; effect of salts on the equilibrium and critical solution temperature of, in water (CARRINGTON, HICKSON, and PATTERSON), 2544; equilibrium of salicylic acid, water, and (BAILEY), 1951.

$C_6H_6O_3$ *cis*-1-Methyl*cyclo*propane-1-2-dicarboxylactone (INGOLD), 398.

Phloroglucinol, absorption spectra of (MORTON and ROGERS), 2700.

$C_6H_6O_4$ Phthalic acid, thallous salt (CHRISTIE and MENZIES), 2370.

C_6H_7N Aniline, physical properties of, and its aqueous solutions (APPLEBEY and DAVIES), 1836.

$C_6H_8O_4$ αγ-Dialdehydopropane-β-carboxylic acid (PERKIN and PINK), 194.

Hydroxy-α-methylglutarolactones, and their salts (INGOLD), 394.

cis- and *trans*-1-Methyl*cyclo*propane-1:2-dicarboxylic acids, and their salts (INGOLD), 396.

$C_6H_{10}O_3$ Ethyl acetoacetate, interaction of *o*-hydroxydistyryl ketones and (HEILBRON, FORSTER, and WHITWORTH), 2159.

$C_6H_{10}O_5$ Dextrin, constitution of (IRVINE and OLDHAM), 2914.

Hydroxy-α-methylglutaric acids, and their salts (INGOLD), 394.

Methylitamalic acid, barium salt (INGOLD), 397.

$C_6H_{12}O$ *n*-Propylvinylcarbinol, resolution and rotation of (KENYON and SNELLGROVE), 1176.

$C_6H_{12}O_6$ Dextrose, dissociation constant of (BRITTON), 1902.

$C_6H_{12}S_2$ Hexamethylene disulphide (BENNETT and HOCK), 2676.

$C_6H_{14}O_3$ Trimethyl glycerol (GILCHRIST and PURVES), 2744.

$C_6H_{14}S$ *iso*Propylmercaptan *n*-propyl ether (BIRCH and NORRIS), 904.

$C_6H_{15}P$ Triethylphosphine, preparation and reactions of (COLLIE), 964.

6 III

$C_6H_3O_{12}Al$ Aluminioxalic acid, salts of, with optically active bases (CHILD, ROBERTS, and TURNER), 2971.

$C_6H_3O_{12}Sb$ Antimonoxalic acid, potassium salt (HOLMES and TURNER), 1753.

$C_6H_3Cl_3S$ 2:5-Dichlorophenylsulphur chloride (MILLER and SMILES), 230.

$C_6H_3FeN_6$ Hydroferricyanic acid, potassium salt, oxidation of carbohydrates by (KNECHT and HIBBERT), 2854.

C_6H_4ClAs *p*-Chlorophenyldichloroarsine (HUNT and TURNER), 2671.

C_6H_5ON Nitrosobenzene, bromination and nitration of (INGOLD), 515.

$C_6H_5O_2N$ Nitrobenzene, dielectric constant of (HARRIS), 1067; cryoscopy with (BROWN), 345.

$C_6H_6O_2Ge$ Phenylgermanonic acid (MORGAN and DREW), 1764.

$C_6H_6N_2Br_2$ 2:4-Dibromophenylhydrazine, preparation of (HUMPHRIES and EVANS), 1676.

$C_6H_9O_3N$ β-Ethylcarbonatopropionitrile (CHAPMAN and STEPHEN), 888.

$C_6H_{11}ON$ α-Ethylcrotonamides (NEWBERY), 301.

Methylpentenoic amides (KON and LINSTEAD), 623.

$C_6H_{11}O_2N$ Methoxymethylanthranilic acids (HEILBRON, KITCHEN, PARKES, and SUTTON), 2173.

$C_6H_{12}O_3N_2$ Malonmono*iso*propylamide (WEST), 750.

$C_6H_{12}O_3S$ *cyclo*Hexanesulphonic acid, salts of (KOLKER and LAPWORTH), 312.

$C_6H_{12}Cl_2S$ γγ′-Dichlorodipropyl sulphide, and its platinic chloride additive compound (BENNETT and HOCK), 2674.

$C_6H_{13}ClS$ Pentamethylenemethylsulphonium chloride (THIERRY), 2759.

6 IV

$C_6H_3O_7N_3Cl$ 3-Chloro-2:5:6-trinitrophenol (HODGSON and MOORE), 1603.

C_6H_4OClAs *p*-Chlorophenylarsenious oxide (HUNT and TURNER), 2671.

C_6H_4OBrAs *p*-Bromophenylarsenious oxide (HUNT and TURNER), 2670.

$C_6H_4O_3NBr$ 3-Bromo-*p*-benzoquinone-4-oxime (HODGSON and MOORE), 2261.

Bromonitrosophenols (HODGSON and MOORE), 2261.

$C_6H_4O_3NI$ 3-Iodo-*p*-benzoquinone-4-oxime (HODGSON and MOORE), 2262.

2-Iodo-4-nitrosophenol (HODGSON and MOORE), 2264.

$C_6H_4O_3NCl$ 3-Chloro-2-nitrophenol, and its silver salt (HODGSON and MOORE), 1600.

$C_6H_4O_3NBr$ 3-Bromo-4-nitrophenol (HODGSON and MOORE), 2262.

$C_6H_4O_3NI$ 3-Iodo-4-nitrophenol (HODGSON and MOORE), 2263.

$C_6H_4Cl_2BrAs$ *p*-Bromophenyldichloroarsine (HUNT and TURNER), 2670.

C_6H_6ONBr *p*-Bromophenylhydroxylamine, preparation of (HAWORTH and LAPWORTH), 2970.

$C_6H_{10}O_2N_2Te$ 2-Methyl*cyclo*telluropentane-3:5-dione dioxime (MORGAN and KELLETT), 2621.

$C_6H_{10}O_2N_3I$ 4(5)-Nitrotrimethylglyoxalinium iodides (BHAGWAT and PYMAN) 1834.

$C_6H_{10}O_2Cl_2Te$ Tellurium bisacetone dichloride (MORGAN and ELVINS), 2628.

$C_6H_{10}O_4NCl$ Ethyl α-chloronitrobutyrate (MACBETH and TRAILL), 897.

$C_6H_{10}O_4NBr$ Ethyl α-bromonitrobutyrate (MACBETH and TRAILL), 897.

$C_6H_{11}ONBr_2$ αβ-Dibromo-α-ethylbutyramides (NEWBERY), 304.

$C_6H_{11}OCl_3Te$ Tellurium pinacolin trichloride (MORGAN and ELVINS), 2630.

$C_6H_{11}O_2N_2Br$ Bromomalonmono*iso*propylamide (WEST), 752.

$C_6H_{12}O_2Cl_2S$ γγ′-Dichlorodipropylsulphone (BENNETT and HOCK), 2675.

$C_6H_{12}Cl_2Br_2S$ γγ′-Dichlorodipropyl sulphide dibromide (BENNETT and HOCK), 2674.

$C_6H_{14}O_2S_2Hg$ γ-Hydroxypropyl mercaptan mercaptide (BENNETT and HOCK), 2673.

$C_6H_{18}Cl_2Sb_2Pd$ Bistrimethylstibinedichloropalladium (MORGAN and YARSLEY), 190.

$C_6H_{18}Cl_2Sb_2Pt$ Bistrimethylstibinedichloroplatinum (MORGAN and YARSLEY), 188.

6 V

$C_6H_3O_2Cl_2IS$ 2:5-Dichlorobenzenesulphonyl iodide (GIBSON, MILLER, and SMILES), 1823.

C_7 Group.

C_7H_8 Toluene, catalytic chlorination of (O. and C. A. SILBERRAD and PARKE), 1724; mercuration of (COFFEY), 1029.

7 II

$C_7H_6O_2$ Benzoic acid, periodic crystallisation of (HEDGES and MYERS), 2434.

$C_7H_6O_3$ Salicylic acid, heat of combustion of (BERNER), 2747; equilibrium of phenol, water, and (BAILEY), 1951.

$C_7H_8O_2$ Resorcinol methyl ether, thallous salt (CHRISTIE and MENZIES), 2373.

$C_7H_8O_4$ Heptodilactone (BENNETT), 1277.

3-Methoxy-3-methyl*cyclo*propane-1:2-dicarboxylic anhydride (GOSS, INGOLD, and THORPE), 468.

Methyl hydrogen 3-methyl-Δ^2-*cyclo*propene-1:2-dicarboxylate (GOSS, INGOLD, and THORPE), 467.

$C_7H_8O_6$ αγ-Dialdehydopropane-ββ-dicarboxylic acid (PERKIN and PINK), 193.

$C_7H_{10}O_6$ *as*-Dimethylcarboxysuccinic acid (INGOLD), 473.

$C_7H_{10}N_2$ 3-Amino-2:6-lutidine, and its hydrochloride (GULLAND and ROBINSON), 1495.

$C_7H_{12}O$ Methyl αγ-dimethoxyacetoacetate (PRATT and ROBINSON), 169.

$C_7H_{12}O_2$ ββ-Dimethyl-α-ethylacrylic acid (KON, SMITH, and THORPE), 572.

Ethylpentenoic acids (KON and LINSTEAD), 621.

$C_7H_{12}O_4$ Diethyl malonate, addition of, to esters (WAYNE and COHEN), 450.

$C_7H_{14}O$ *n*-Butylvinylcarbinol, resolution and rotation of (KENYON and SNELLGROVE), 1177.

$C_7H_{15}I$ Triethylcarbinyl iodide (MORGAN, CARTER, and DUCK), 1253.

7 III

$C_7H_5O_2Br$ Bromohydroxybenzaldehydes (HODGSON and BEARD), 878.

$C_7H_5O_2Li$ Lithium salicylaldehyde ($+2H_2O$) (SIDGWICK and BREWER), 2385.

$C_7H_5O_2Na$ Sodium salicylaldehyde ($+2H_2O$) (SIDGWICK and BREWER), 2385.

$C_7H_5O_6N_3$ Trinitrotoluene, equilibrium of naphthalene and, in nitrobenzene (BROWN), 345.

$C_7H_5O_7N_3$ Trinitroanisole, alcoholysis of (BRADY and HORTON), 2230.

$C_7H_6O_4N_2$ Nitrohydroxybenzaldoximes (HODGSON and BEARD), 879.

C_7H_7OBr 2-Bromo-*m*-cresol, preparation of (HODGSON and BEARD), 498.

Phenacyl bromide, condensation reactions of (R. M. and J. N. RÂY), 2721.

C_7H_7OTl Thallous *m*-tolyloxide (CHRISTIE and MENZIES), 2373.

$C_7H_7O_2N$ *o*-Nitrotoluene, dielectric constant of (HARRIS), 1067.

$C_7H_8O_2N_2$ Nitrobenzylamines, and their salts (HOLMES and INGOLD), 1812.

C_7H_9ON 2-Amino-*m*-cresol, preparation of (HODGSON and BEARD), 498.

$C_7H_9O_2N$ 3:4-Dihydroxybenzylamine (JONES and PYMAN), 2596.

$C_7H_9O_4Br$ Methyl 1-bromo*cyclo*propane-1:2-dicarboxylate (ING and PERKIN), 2396.

$C_7H_9N_2Cl$ 5-Chloro-2-methyl-*p*-phenylenediamine (KENNER, TOD, and WITHAM), 2347.
$C_7H_{10}O_4Cl_2$ Di-β-chloroethyl malonate (BENNETT), 1278.
$C_7H_{10}O_4Br_2$ Methyl αα′-dibromoglutarates (ING and PERKIN), 2393.
$C_7H_{10}O_4I_2$ Methyl αα′-di-iodoglutarate (ING and PERKIN), 2393.
$C_7H_{11}ON_3$ 2-Acetylamino-4:5-dimethylglyoxaline (BURTLES and PYMAN), 2016.
$C_7H_{12}O_2N_2$ α-Ethylcrotonylcarbamides (NEWBERY), 300.
$C_7H_{12}N_2S$ 2-Ethylthiol-1:4-dimethylglyoxaline, salts of (BURTLES, PYMAN, and ROYLANCE), 588.
$C_7H_{13}ON$ Amides of ethylpentenoic acids (KON and LINSTEAD), 621.
$C_7H_{13}O_5I$ Methylglucoside 6-iodohydrin (OLDHAM), 2844.
$C_7H_{13}O_8N$ Methylglucoside 6-nitrate (OLDHAM), 2844.
$C_7H_{14}O_2N_2$ Malonmono*iso*butylamide (WEST), 750.
$C_7H_{17}O_2N$ α-Aminopropionacetal (BURTLES, PYMAN, and ROYLANCE), 586.

7 IV

$C_7H_3O_2NCl_4$ 2:3:4:6-Tetrachloro-3-nitrotoluene (SILBERRAD), 2683.
$C_7H_5O_2NBr_2$ 4:6-Dibromo-3-hydroxybenzaldoxime (HODGSON and BEARD), 880.
$C_7H_5O_3N_2Cl$ 2-Chloro-5-nitrobenzaldoximes (BRADY and BISHOP), 1361.
$C_7H_5O_3Cl_2S$ 4-Chloroanisole-2-sulphonyl chloride (GAUNTLETT and SMILES), 2745.
$C_7H_5O_4N_2Cl$ 4-Chloro-2:3-dinitrotoluene (KENNER, TOD, and WITHAM), 2348.
$C_7H_5O_5N_2Na$ Sodium dinitro-*o*-tolyl oxide (GIBSON), 45.
C_7H_6ONBr *o*-Bromo-β-benzaldoxime (BRADY, COSSON, and ROPER), 2430.
$C_7H_6O_2NBr$ Bromohydroxybenzaldoximes (HODGSON and BEARD), 879.
$C_7H_6O_2Cl_2S$ 2:5-Dichlorophenylmethylsulphone (MILLER and SMILES), 231.
$C_7H_6O_3NCl$ 3-Chloro-2-nitrophenol methyl ether (HODGSON and MOORE), 1601.
$C_7H_6O_3NNa$ Sodium nitro-*o*-tolyl oxides (GIBSON), 45.
C_7H_7OClS 4-Chloroanisole-2-mercaptan (GAUNTLETT and SMILES), 2746.
$C_7H_7O_3N_2Cl$ Chloronitrotoluidines (KENNER, TOD, and WITHAM), 2346.
$C_7H_7O_3ClS$ 4-Chlorophenylmethylsulphone (MILLER and SMILES), 231.
$C_7H_7O_2Cl_3Te$ 2-Hydroxy-1-methoxyphenyl-4-telluritrichloride (MORGAN and DREW), 2314.
$C_7H_7O_2BrS$ 3- and 4-Bromophenylmethylsulphones (TWIST and SMILES), 1252.
$C_7H_7O_3ClS$ 4-Chloroanisole-2-sulphinic acid (GAUNTLETT and SMILES), 2746.
$C_7H_7O_4NS$ 3-Nitrophenylmethylsulphone (TWIST and SMILES), 1250.
$C_7H_7O_4ClS_2$ *m*-Chlorosulphonylphenylmethylsulphone (TWIST and SMILES), 1251.
C_7H_7BrIAs *p*-Bromophenylmethyliodoarsine (HUNT and TURNER), 2670.
C_7H_8ONBr 4-Bromo-*m*-anisidine (GRIFFITH and HOPE), 994.
$C_7H_{10}O_6NCl$ Ethyl chloronitromalonate (MACBETH and TRAILL), 1121.
$C_7H_{12}O_2N_2Br_2$ αβ-Dibromo-α-ethylbutyrylcarbamides (NEWBERY), 305.
$C_7H_{12}O_2N_2Te$ 2:6-Dimethyl*cyclo*telluropentane-3:5-dionedioxime (MORGAN and TAYLOR), 799.
$C_7H_{12}O_2Cl_4Te_2$ Methylenebistelluriacetone dichloride (MORGAN and DREW), 537.
$C_7H_{13}OCl_2Te$ Tellurium di-*n*-propylketone trichloride (MORGAN and ELVINS), 2629.
$C_7H_{13}O_2N_2Br$ α-Bromo-α-ethylbutyrylcarbamide, action of alkalis on (NEWBERY), 295.
β-Bromo-α-ethylbutyrylcarbamide (NEWBERY), 305.
Bromomalonmono*iso*butylamide (WEST), 751.
$C_7H_{14}ON_2S$ 2-Methylamino-5-ethoxy-4-methyl-4:5-dihydrothiazole, and its salts (BURTLES, PYMAN, and ROYLANCE), 586.

7 V

$C_7H_4NClBr_2S$ Chlorobenzthiazole dibromide (HUNTER), 1488.

$C_7H_7ONClBr$ *o*-Bromo-α-benzaldoxime hydrochloride (BRADY, COSSON, and ROPER), 2430.

$C_7H_7O_4ClSNa$ 4-Chloroanisole-2-sulphonic acid, sodium salt (GAUNTLETT and SMILES), 2745.

$C_7H_{15}Cl_2I_3SHg$ Dichlorodipropylmethylsulphonium mercuri-iodide (BENNETT and HOCK), 2675.

C_8 Group.

$C_8H_6O_4$ *m*-Aldehydophenyl carbonate, nitration of (MASON), 1195.

$C_8H_8O_3$ Vanillin, thallous salt (CHRISTIE and MENZIES), 2373.

$C_8H_8O_7$ Diacetyltartaric anhydride, mutarotation of (AUSTIN and PARK), 1926.

$C_8H_{10}O_4$ Ethyl hydrogen 3-methyl-Δ^2-*cyclo*propene-1:2-dicarboxylate (GOSS, INGOLD, and THORPE), 468.

$C_8H_{10}O_8$ Diacetyltartaric acid, rotatory dispersion of (AUSTIN and PARK), 1926.

$C_8H_{11}N$ Phenylethylamine, condensation of *s*-dichloromethyl ether with (SHORT), 269.

l-Phenylethylamine, aluminioxalate of (CHILD, ROBERTS, and TURNER), 2972.

$C_8H_{14}O_2$ 3-Methyldipropionylmethane, and its copper salt (MORGAN and TAYLOR), 799.

$C_8H_{14}O_5$ Ethyl αγ-dimethoxyacetoacetate (PRATT and ROBINSON), 168.

Ethyl β-ethylcarbonatopropionate (CHAPMAN and STEPHEN), 889.

Acid, from sodium ethoxide and ethyl α-chloro-γ-methylglutarate (GOSS and INGOLD), 2779.

$C_8H_{14}O_6$ Trimethylarabonolactones (PRYDE, HIRST, and HUMPHREYS), 354.

$C_8H_{16}O_5$ Trimethyl γ-arabinose (BAKER and HAWORTH), 368.

8 III

$C_8H_5O_2N$ Isatin, absorption spectra of (MORTON and ROGERS), 2698.

$C_8H_6O_2Br_2$ 4:6-Dibromo-3-methoxybenzaldehyde (HODGSON and BEARD), 879.

$C_8H_6Cl_3As$ α-Chlorostyryldichloroarsine (HUNT and TURNER), 998.

$C_8H_7O_2N$ 1-Hydroxy-2:3-benzoxazine (GRIFFITHS and INGOLD), 1704.

1-Hydroxy*iso*indole-2-oxide (GRIFFITHS and INGOLD), 1706.

$C_8H_7O_3Br$ 3-Bromo-2-hydroxy-5-methoxybenzaldehyde (RUBENSTEIN), 2001.

Bromomethoxybenzoic acids (HODGSON and BEARD), 880.

$C_8H_7O_3Li$ Lithium methyl salicylate (+ $2H_2O$) (SIDGWICK and BREWER), 2384.

$C_8H_7O_5N$ 3-Nitro-2-hydroxy-5-methoxybenzaldehyde (RUBENSTEIN), 2000.

5-Nitro-2-hydroxy-4-methoxybenzaldehyde (RAO, SRIKANTIA, and IYENGAR), 557.

$C_8H_7O_7N_3$ Trinitrophenetole, alcoholysis of (BRADY and HORTON), 2230.

$C_8H_7Cl_2As$ Phenyl-β-chlorovinylchloroarsine (HUNT and TURNER), 997.

$C_8H_8O_2Se$ Phenylselenoglycollic acid (MORGAN and PORRITT), 1757.

$C_8H_8O_3N$ Phthalamic acid, ammonium salt (CHAPMAN and STEPHEN), 1793.

$C_8H_8O_3N_2$ 3-Nitro-4-methylbenzaldoximes (BRADY, COSSON, and ROPER), 2432.

C_8H_9OBr 2-Bromoanisic acid (GRIFFITH and HOPE), 993.

$C_8H_{10}O_2N_2$ 3-Amino-2:6-dimethyl*iso*nicotinic acid, and its salts (GULLAND and ROBINSON), 1494.

Benzylmethylamines, nitro-, and their hydrochlorides (HOLMES and INGOLD), 1814.

α-Hydroxybenzylcarbamide, and its salts (WOOD and LILLEY), 97.

$C_8H_{10}O_2S_2$ *m*-Methylthiolphenylmethylsulphone (TWIST and SMILES), 1251.

$C_8H_{10}O_4N_2$ 4-Nitro-2:5-dimethoxyaniline, hydrochloride of (RUBENSTEIN), 2004.

$C_8H_{10}IAs$ *p*-Tolylmethyliodoarsine (MILLS and RAPER, 2481.
$C_8H_{11}ON$ α-Hydroxybenzylmethylamine (WOOD and LILLEY), 96.
$C_8H_{12}O_3Te$ 2:4:6-Trimethyl*cyclo*telluropentane-3:5-dione (MORGAN and TAYLOR), 800.
$C_8H_{13}O_4Cl$ Methyl γ-chloro-α-methylglutarate (INGOLD), 393.
$C_8H_{13}O_4Br$ Methyl γ-bromo-α-methylglutarate (INGOLD), 393.
$C_8H_{13}O_4I$ Methyl α-iodo-α-methylglutarate (INGOLD), 394.
$C_8H_{14}O_2Br_2$ Ethyl αε-dibromopentane-γ-carboxylate (MILLS and BAINS), 2505.
$C_8H_{16}O_2N_2$ Malonmonoethylmono*iso*propylamide (WEST), 750.
$C_8H_{16}O_5N_2$ Trimethoxyglutardiamide (HIRST and ROBERTSON), 362.
$C_8H_{16}O_{10}N_2$ 2:3:5-Trimethyl glucose 1:6-dinitrate (OLDHAM), 2841.
$C_8H_{17}O_2N$ α-Ethoxy-α-ethylbutyramide (NEWBERY), 307.
$C_8H_{19}O_2N$ α-Methylaminopropionacetal (BURTLES, PYMAN, and ROYLANCE), 586.

8 IV

$C_8H_5O_3NBr_2$ 4:5-Dibromophthalamic acid, and its ammonium salt (CHAPMAN and STEPHEN), 1794.
$C_8H_6O_3N_2S$ Nitrobenzyl thiocyanates (FOOTNER and SMILES), 2890.
$C_8H_7O_2BrSe$ *p*-Bromophenylselenoglycollic acid (MORGAN and PORRITT), 1757.
$C_8H_7O_2Br_3Se$ *p*-Bromophenylselenoglycollic acid dibromide (MORGAN and PORRITT), 1759.
$C_8H_7O_2Br_5Se$ *p*-Bromophenylselenoglycollic acid tetrabromide (MORGAN and PORRITT), 1759.
$C_8H_7O_3BrSe$ *p*-Bromophenylselenoxyglycollic acid (MORGAN and PORRITT), 1758.
$C_8H_8ON_2Br_2$ Acetyl-2:4-dibromophenylhydrazine, and its hydrobromide (HUMPHRIES and EVANS), 1677.
$C_8H_8O_2NBr$ 6-Bromo-3-methoxybenzaldoxime (HODGSON and BEARD), 880.
$C_8H_8O_3NCl$ 4-Chloro-6-nitro-*m*-tolyl methyl ether (KENNER, TOD, and WITHAM), 2348.
$C_8H_8O_3NBr$ 5-Bromo-2-amino-4-methoxybenzoic acid, and its salts (GRIFFITH and HOPE), 994.
$C_8H_9ON_2Br$ Acetyl-*p*-bromophenylhydrazine, and its hydrobromide (HUMPHRIES and EVANS), 1676.
$C_8H_9OCl_3Te$ *p*-Phenetyltelluritrichloride (MORGAN and DREW), 2311.
$C_8H_9O_2Cl_3Te$ 1:3-Dimethoxyphenyl-4-telluritrichloride (MORGAN and DREW), 2312.
$C_8H_9O_3N_2Cl$ 3-Nitro-4-methyl-β-benzaldoximehydrochloride (BRADY, COSSON, and ROPER), 2432.
$C_8H_9O_3ClS$ 4-Chloroanisole-2-methylsulphone (GAUNTLETT and SMILES), 2746.
$C_8H_{10}ONCl$ 5-Chloro-2-amino-4-methoxytoluene (HEILBRON, KITCHEN, PARKES, and SUTTON), 2175.
$C_8H_{10}OI_2Te$ *p*-Anisylmethyltelluridi-iodide (MORGAN and DREW), 2315.
$C_8H_{12}O_2Cl_2Te$ 2:4:6-Trimethyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (MORGAN and TAYLOR), 800.
$C_8H_{13}O_2NTe$ 2-Methyl-4-ethyl*cyclo*telluropentane-3:5-dione monoxime (MORGAN and KELLETT), 2622.
$C_8H_{14}O_2N_2Te$ 2-Methyl-4-ethyl*cyclo*telluropentane-3:5-dione dioxime (MORGAN and KELLETT), 2622.
2:4:6-Trimethyl*cyclo*telluropentane-3:5-dionedioxime (MORGAN and TAYLOR), 800.
$C_8H_{15}O_2N_2Br$ Bromomalonmonoethylmono*iso*propylamide (WEST), 752.
$C_8H_{20}I_2S_4Cu_2$ Dimethyldithiolethylene cuprous iodide (MORGAN, CARTER, and HARRISON), 1922.

C_9 Group.

C_9H_{20} 3:3-Diethylpentane (MORGAN, CARTER, and DUCK), 1252.

9 II

$C_9H_6O_3$ 4-Aldehydo-1:2-phthalide (PERKIN and STONE), 2290.
$C_9H_6O_4$ 4-Carboxy-1:2-phthalide (PERKIN and STONE), 2291.
2:4-Dialdehydobenzoic acid (PERKIN and STONE), 2292.
$C_9H_8O_5$ 2-Aldehydoterephthalic acid (PERKIN and STONE), 2294.
C_9H_8O Cinnamaldehyde, action of, on Grignard reagents (MARSHALL), 2186.
$C_9H_8O_2$ 4-Methyl-1:2-phthalide (PERKIN and STONE), 2285.
$C_9H_8O_3$ Hydroxy-3:4-dihydrocoumarins (CHAPMAN and STEPHEN), 890.
4-Hydroxymethyl-1:2-phthalide (PERKIN and STONE), 2287.
$C_9H_8O_5$ 2-Hydroxymethylterephthalic acid (PERKIN and STONE), 2291.
$C_9H_9N_3$ Aminophenylglyoxalines, and their salts (BALABAN and KING), 2710.
$C_9H_{10}O_2$ 2:4-Dimethylbenzoic acid (PERKIN and STONE), 2283.
$C_9H_{10}O_3$ Ethyl acetoacetate, thallous salt (CHRISTIE and MENZIES), 2372.
Hydroxydimethylbenzoic acids (PERKIN and STONE), 2285.
4-Methoxy-3-methylbenzoic acid (BRADY, COSSON, and ROPER), 2431.
$C_9H_{10}O_4$ *m*-Aldehydophenyl ethyl carbonate, nitration of (MASON), 1195.
2:4-Di(hydroxymethyl)benzoic acid (PERKIN and STONE), 2287.
β-2:6-Dihydroxyphenylpropionic acid (CHAPMAN and STEPHEN), 891.
$C_9H_{10}Br_2$ αγ-Dibromo-β-phenylpropane (MILLS and BAINS), 2505.
$C_9H_{12}O_2$ Benzyl hydroxyethyl ether (BENNETT), 1279.
$C_9H_{12}O_4$ Methyl ethyl 3-methyl-Δ^2-*cyclo*propene-1:2-dicarboxylate (GOSS, INGOLD, and THORPE), 468.
Nonodilactone (BENNETT), 1278.
$C_9H_{14}O_2$ Acetylmethyl*cyclo*hexanone, beryllium salt (MORGAN and ELVINS) 2624.
α-Campholytic acid, structure of (CHANDRASENA, INGOLD, and THORPE), 1677.
1-Methyl*cyclo*hexylidene-4-acetic acid, rotatory dispersion of (RICHARDS and LOWRY), 238.
$C_9H_{14}O_3$ 1-Methyl*cyclo*hexan-3-one-1-acetic acid, and its silver salt (FARMER and ROSS), 2365.
Lactone, from *Alstonia* bark (GOODSON and HENRY), 1647.
$C_9H_{14}O_5$ Acid, and its salts, from chenopodium oil (HENRY and PAGET), 1653.
$C_9H_{16}O_2$ 3-Butylacetylacetones, and their salts (MORGAN and JONES), 2618.
Di*iso*butyrylmethane, and its copper salt (MORGAN and TAYLOR), 803.
Ethyl ethylpentenoates (KON and LINSTEAD), 622.
3-*n*- and -*iso*-Propylpropionylacetones (MORGAN and CORBY), 2616.
$C_9H_{16}O_3$ β-*iso*Valeryl-α-methylpropionic acid (JONES and SMITH), 2536.
$C_9H_{18}O_4$ Ethyl ββ-diethoxypropionate (INGOLD), 1203.
$C_9H_{18}O_5$ Trimethyl γ-methylarabinoside (BAKER and HAWORTH), 367.
$C_9H_{16}O_6$ Dimethyl methylglucoside (IRVINE and OLDHAM), 2920.
Glycerolglucoside (GILCHRIST and PURVES), 2735.
Trimethylglucose, synthesis of (IRVINE and OLDHAM), 2729.

9 III

$C_9H_3OCl_7$ 2:4-Di(trichloromethyl)benzoyl chloride (PERKIN and STONE), 2295.
$C_9H_3O_2Cl_5$ 4-Trichloromethyl-1:2-phthalyl chloride (PERKIN and STONE), 2296.
$C_9H_4OCl_6$ Pentachloro-2:4-dimethylbenzoyl chlorides (PERKIN and STONE), 2293.
$C_9H_4O_2Cl_6$ 2:4-Di(trichloromethyl)benzoic acid (PERKIN and STONE), 2296.
$C_9H_5OCl_5$ 2:4-Di(dichloromethyl)benzoyl chloride (PERKIN and STONE), 2291.

$C_9H_5O_2Cl_3$ 4-Dichloromethyl-1:2-chlorophthalide (PERKIN and STONE), 2292.
$C_9H_6OCl_4$ Trichlorodimethylbenzoyl chloride (PERKIN and STONE), 2289.
$C_9H_6O_2Cl_4$ 2:4-Di(dichloromethyl)benzoic acid (PERKIN and STONE), 2291.
$C_9H_6N_2Br_2$ 2:5(2:4)-Dibromo-4(5)-phenylglyoxaline (FORSYTH and PYMAN), 578.
C_9H_7ON Carbostyril, absorption spectra of (MORTON and ROGERS), 2698.
$C_9H_7ON_6$ 2-Methylpyridine-3:4:6-tricarboxylic acid, thallous salt (CHRISTIE and MENZIES), 2371.
$C_9H_7OBr_3$ 2:4-Di(bromomethyl)benzoyl bromide (PERKIN and STONE), 2286.
$C_9H_7O_2N$ *o*-Methoxybenzoyl cyanide (MARSH and STEPHEN), 1635.
$C_9H_7O_2Cl$ 4-Chloromethyl-1:2-phthalide (PERKIN and STONE), 2289.
$C_9H_7O_2Br$ 4-Bromomethyl-1:2-phthalide (PERKIN and STONE), 2287.
$C_9H_7O_3N$ Methylisatoic anhydride (HEILBRON, KITCHEN, PARKES, and SUTTON), 2171.
$C_9H_7O_5N$ 2-Aldehydoterephthalic acid oxime (PERKIN and STONE), 2294.
$C_9H_7N_2Br$ Bromophenylglyoxalines, and their salts (FORSYTH and PYMAN), 576.
$C_9H_8OBr_2$ Bromodimethylbenzoyl bromides (PERKIN and STONE), 2284.
$C_9H_8O_2Br_2$ 2:4-Di(bromomethyl)benzoic acid (PERKIN and STONE), 2286.
$C_9H_8O_4N_2$ Acetyl-*o*-nitro-*β*-benzaldoxime (BRADY and MCHUGH), 2423.
$C_9H_9O_5N$ Dinitromethoxystyrene (C. K. and E. H. INGOLD), 872.
$C_9H_8O_5N_2$ 3-Nitro-2-acetylaminobenzoic acid (CHAPMAN and STEPHEN), 1795.
$C_9H_8O_6N_2$ 3:5-Dinitro-*o*-tolyl acetate (GIBSON), 46.
C_9H_9ON 4-Methoxy-3-methylbenzonitrile (BRADY, COSSON, and ROPER), 2431.
o-Methylphthalimidine (GRIFFITHS and INGOLD), 1708.
C_9H_9OCl 2:4-Dimethylbenzoyl chloride, action of halogens on (PERKIN and STONE), 2275.
$C_9H_9O_2N$ 6-Hydroxy-4-keto-1:2:3:4-tetrahydroquinoline (CLEMO and PERKIN), 2307.
1-Methoxy-2:3-benzoxazine (GRIFFITHS and INGOLD), 1704.
Methoxy*iso*indole 2-oxide (GRIFFITHS and INGOLD), 1708.
N-Methoxyphthalimidine (GRIFFITHS and INGOLD), 1707.
$C_9H_9O_2Cl$ *o*-Acetoxybenzyl chloride (GRAY), 1155.
r-*β*-Chlorohydratropic acid, resolution of (MCKENZIE and STRATHERN), 86.
$C_9H_9O_2Br$ Bromodimethylbenzoic acid (PERKIN and STONE), 2284.
β-Bromo-*β*-phenylpropionic acid, ammonium salt (SENTER and WARD), 1849.
$C_9H_9O_3Br$ Bromo-2:5-dimethoxybenzaldehydes (RUBENSTEIN), 2001.
$C_9H_9O_4N$ Nitro-*o*-tolyl acetates (GIBSON), 46.
$C_9H_9O_5N$ Nitro-2:5-dimethoxybenzaldehydes (RUBENSTEIN), 2000.
3-Nitro-4-ethoxybenzoic acid (KING and MURCH), 2645.
Acid, and its salts from oxidation of ethoxylutidine (COLLIE and BISHOP), 963.
$C_9H_{10}O_2N_2$ Methoxy-2-methyl-4-quinazolones (HEILBRON, KITCHEN, PARKES, and SUTTON), 2173.
$C_9H_{10}O_2N_4$ Phthalaldehyde 1-oxime-2-semicarbazone (GRIFFITHS and INGOLD), 1704.
$C_9H_{10}O_2Se$ *p*-Tolylselenoglycollic acid (MORGAN and PORRITT), 1758.
$C_9H_{10}O_3Se$ *p*-Tolylselenoxyglycollic acid (MORGAN and PORRITT), 1758.
$C_9H_{10}O_5N_2$ Acid, and its silver salt from oxidation of nitroethoxylutidine (COLLIE and BISHOP), 963.
$C_9H_{10}O_6N_2$ Trimethylene glycol mono-2:4-dinitrophenyl ether (FAIRBOURNE and FOSTER), 2761.
$C_9H_{11}ON$ Hydroxyhydrindamine, chlorobromomethanesulphonates (READ and MCMATH), 1587.
$C_9H_{11}OCl$ Benzyl chloroethyl ether (BENNETT), 1280.

$C_9H_{11}O_2N$ 4-Methoxy-3-methylbenzaldoximes (Brady, Cosson, and Roper), 2431.

$C_9H_{11}O_3Br$ 2:3-Dimethoxybenzyl bromide (Haworth and Perkin), 1437.

3:4-Dimethoxybenzyl bromide (Haworth, Perkin, and Rankin), 1445.

$C_9H_{12}O_2N_2$ Methoxymethylanthranilamides (Heilbron, Kitchen, Parkes, and Sutton), 2174.

$C_9H_{12}O_3N_2$ Nitroethoxylutidine (Collie and Bishop), 962.

$C_9H_{12}O_4N$ 3-Amino-2:5-dimethoxybenzoic acid, and its hydrochloride (Rubenstein), 2002.

$C_9H_{12}O_4Br_2$ Methyl ethyl 2:3-dibromo-3-methyl*cyclo*propane-1:2-dicarboxylate (Goss, Ingold, and Thorpe), 468.

$C_9H_{14}ON_2$ Aminoethoxylutidine, and its salts (Collie and Bishop), 962.

$C_9H_{14}O_2Te$ 4-*iso*Butyl*cyclo*telluropentane-3:5-dione (Morgan and Jones), 2619.

4-*sec.*-Butyl*cyclo*telluropentane-3:5-dione (Morgan and Elvins), 2623.

2-Methyl-4-propyl*cyclo*telluropentane-3:5-diones (Morgan and Corby), 2616.

$C_9H_{14}O_4Br_2$ $\alpha\gamma$-Dibromo-$\beta\beta$-dimethyl-α-ethylglutaric acids (Kon, Smith, and Thorpe), 571.

$C_7H_{16}O_6N_2$ Ethyl hydrazotricarboxylate (Ingold and Weaver), 381.

$C_9H_{17}ON_3$ δ-Ethylhexenone semicarbazones (Kon and Linstead), 818.

$C_9H_{18}O_2N_2$ Malondi*iso*propylamide (West), 750.

$C_9H_{19}ON$ α-*iso*Propyl-*n*-hexoamide (Jones and Pyman), 2597.

9 IV

$C_9H_5ONCl_6$ 2:4-Di(trichloromethyl)benzamide (Perkin and Stone), 2296.

$C_9H_7O_3NBr_2$ 4:5-Dibromo-2-acetylaminobenzoic acid (Chapman and Stephen), 1794.

$C_9H_7O_4N_2Cl$ α-Acetyl-2-chloro-5-nitrobenzaldoxime (Brady and Bishop), 1361.

$C_9H_8O_2NBr$ Acetyl-*o*-bromo-α-benzaldoxime (Brady, Cosson, and Roper), 2429.

$C_9H_9OCl_3Te$ Tellurium phenylethylketone trichloride (Morgan and Elvins), 2631.

$C_9H_9O_3N_2Cl$ Acetylchloronitrotoluidines (Kenner, Tod, and Witham), 2346.

$C_9H_{10}O_2Br_2Se$ *p*-Tolylselenoglycollic acid dibromide (Morgan and Porritt), 1759.

$C_9H_{10}O_2Br_4Se$ *p*-Tolylselenoglycollic acid tetrabromide (Morgan and Porritt), 1759.

$C_9H_{13}OITe$ *p*-Anisyldimethyltelluri-iodide (Morgan and Drew), 2314.

$C_9H_{14}O_2Cl_2Te$ 2-Methyl-4-propyl*cyclo*telluripentane-3:5-dione dichlorides (Morgan and Corby), 2616.

$C_9H_{17}O_2N_2Br$ Bromomalondi*iso*propylamide (West), 751.

$C_9H_{24}O_2Cl_2Te$ 4-*iso*Butyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (Morgan and Jones), 2619.

C_{10} Group.

$C_{10}H_8$ Naphthalene, equilibria of, in nitrobenzene solution (Brown), 345.

$C_{10}H_{16}$ Limonene, action of hydrogen peroxide on (Sword), 1632.

Sylvestrene, occurrence of (Rac and Simonsen), 2494.

$C_{10}H_{18}$ Decahydronaphthalene, isomerism of (Wightman), 1421.

10 II

$C_{10}H_8O_4$ 1:2-Phthalide-4-acetic acid (Perkin and Stone), 2288.

$C_{10}H_{10}O_2$ Benzoylacetone, thallous salt (Christie and Menzies), 2372.

$C_{10}H_{10}O_3$ Phenyl α-methoxy-β-hydroxyvinyl ketone (Malkin and Robinson), 1192.

$C_{10}H_{10}O_4$ *m*-Meconine, preparation and nitration of (Rây and Robinson), 1618.

$C_{10}H_{10}O_4$ Meconines, synthesis of (EDWARDS, PERKIN, and STOYLE), 195.
$C_{10}H_{10}O_5$ 4-Ethylcarbonatobenzoic acid (KING and MURCH), 2649.
$C_{10}H_{10}N_2$ 2-Phenyl-1-methylglyoxaline, and its salts (BALABAN and KING), 2714.
$C_{10}H_{11}N$ 1:2-Dihydroquinaldine, synthesis of (MASON), 1032.
$C_{10}H_{12}O$ 2:4-Dimethylacetophenone (PERKIN and STONE), 2283.
$C_{10}H_{12}O_2$ Methyl 2:4-dimethylbenzoate (PERKIN and STONE), 2284.
$C_{10}H_{12}O_3$ Dimethoxyacetophenones (PRATT and ROBINSON), 1184.
$C_{10}H_{12}Br$ $\alpha\gamma$-Dibromo-β-phenyl-β-methylpropane (MILLS and BAINS), 2504.
$C_{10}H_{13}Br$ β-Bromo-α-phenyl-β-methylpropane (TROTMAN), 94.
$C_{10}H_{14}O_2$ Camphorquinone, rotation of (LOWRY and CUTTER), 614.
β-Phenyl-β-methylpropane-$\alpha\gamma$-diol (MILLS and BAINS), 2503.
$C_{10}H_{14}O_4$ 2-Carboxy*bicyclo*-[4,1,0]heptane-1-acetic acid (BAKER), 989.
Δ^1-*cyclo*Hexene-1:2-diacetic acid (BAKER), 990.
$C_{10}H_{14}O_5$ Anhydro-β-methylpimelic-β-acetic acid (FARMER and ROSS), 2364.
1:2-Dihydroxy*cyclo*hexane-1:2-diacetolactone (BAKER), 989.
$C_{10}H_{14}N_2$ Nicotine, rotation of (PATTERSON and FULTON), 2439.
$C_{10}H_{15}Br$ β-Bromo-α-phenyl-β-methylbutane (TROTMAN), 91.
$C_{10}H_{15}As$ *p*-Tolylmethylethylarsine (MILLS and RAPER), 2481.
$C_{10}H_{16}O$ Camphor, rotation of (LOWRY and CUTTER), 612; rotation of halogen derivatives (CUTTER, BURGESS, and LOWRY), 1260.
Tagetone (JONES and SMITH), 2538.
$C_{10}H_{16}O_2$ Diethyldihydroresorcinol (KON and LINSTEAD), 819.
l-2:2:4-Trimethyl-Δ^3-*cyclo*hexene-1-carboxylic acid (GIBSON and SIMONSEN), 1303.
$C_{10}H_{16}O_5$ Ethyl acetylsuccinate, halogenation of (MACBETH and TRAILL), 1118.
$C_{10}H_{16}O_6$ β-Methylpimelic-β-acetic acid (FARMER and ROSS), 2364.
$C_{10}H_{16}N_2$ *cyclo*Pentylideneazine, action of hydrochloric acid on (PERKIN and PLANT), 1138.
$C_{10}H_{18}O$ Borneol, rotation of (LOWRY and CUTTER), 614.
$\gamma\eta$-Dimethyl-Δ^α-octen-ϵ-one (JONES and SMITH), 2534.
α- and β-Fenchyl alcohols, and their esters, rotatory powers of (KENYON and PRISTON), 1472.
Substance, from reduction of tagetone (JONES and SMITH), 2538.
$C_{10}H_{18}O_2$ *dl-sec.*-Amylacetylacetone, and its copper salt (MORGAN and ELVINS), 2623.
$C_{10}H_{18}O_4$ *iso*Propyl-*n*-butylmalonic acid (JONES and PYMAN), 2597.
$C_{10}H_{18}O_6$ Tetramethyl galactonolactone (PRYDE, HIRST, and HUMPHREYS), 352.
$C_{10}H_{18}O_7$ Methyl arabotrimethoxyglutarate (HIRST and ROBINSON), 362.
$C_{10}H_{20}O$ $\gamma\eta$-Dimethyl-Δ^α-octen-ϵ-ol (JONES and SMITH), 2535.
$C_{10}H_{20}O_6$ Trimethyl methylglucoside (IRVINE and OLDHAM), 2920.
$C_{10}H_{21}N$ *l*-Menthylamine, aluminioxalate of (CHILD, ROBERTS, and TURNER), 2972.
$C_{10}H_{22}O$ $\gamma\eta$-Dimethyloctan-ϵ-ol (JONES and SMITH), 2535.

10 III

$C_{10}H_6O_2Cl_6$ Methyl 2:4-di(trichloromethyl)benzoate (PERKIN and STONE), 2296.
$C_{10}H_7OTl$ Thallous α-naphthoxide (CHRISTIE and MENZIES), 2373.
$C_{10}H_7O_2N$ 4-Cyanomethyl-1:2-phthalide (PERKIN and STONE), 2288.
$C_{10}H_7O_4N$ 2-Carboxy-4:5-methylenedioxyphenylacetonitrile (HAWORTH and PINK), 1370.
4:5-Methylenedioxyhomophthalimide (HAWORTH and PINK), 1371.

$C_{10}H_8O_2Cl_4$ Methyl 2:4-di(dichloromethyl)benzoate (PERKIN and STONE), 2291.
$C_{10}H_8O_3N_4$ Glyoxalinecarboxynitroanilides, and their salts (BALABAN and KING), 2705.
$C_{10}H_8O_4N_2$ β-6-Nitropiperonylpropionitrile (BAKER and ROBINSON), 1428.
$C_{10}H_8NBr$ 2-Bromo-6-methylquinoline, and its salts (CONOLLY), 2085.
$C_{10}H_9O_3N$ β-Piperonylpropionitrile (BAKER and ROBINSON), 1424.
$C_{10}H_9O_3N_3$ 2-*p*-Nitrophenyl-1-methylglyoxaline, and its salts (BALABAN and KING), 2710.
$C_{10}H_9O_2Li$ Lithium benzoylacetone (+ $2H_2O$) (SIDGWICK and BREWER), 2383.
$C_{10}H_9O_2Na$ Sodium benzoylacetone (+ $2H_2O$) (SIDGWICK and BREWER), 2383.
$C_{10}H_9O_2N$ Methoxyacetanthranils (HEILBRON, KITCHEN, PARKES, and SUTTON), 2173.
1:2-Phthalide-4-acetamide (PERKIN and STONE), 2288.
$C_{10}H_9O_4N$ Acetyl-3:4-methylenedioxy-α-benzaldoxime (BRADY and MCHUGH), 2422.
Methoxymethylisatoic anhydrides (HEILBRON, KITCHEN, PARKES, and SUTTON), 2174.
$C_{10}H_9O_4Br$ 6-Bromo-4:5-dimethoxyphthalide (RÂY and ROBINSON), 1622.
$C_{10}H_9O_5N$ 4:5-Methylenedioxyhomophthamic acid (HAWORTH and PINK), 1371.
$C_{10}H_9O_6N$ 6-Nitro-4:5-dimethoxyphthalide (RÂY and ROBINSON), 1621.
β-6-Nitropiperonylpropionic acid (BAKER and ROBINSON), 1428.
$C_{10}H_9O_7N$ 3-Nitro-4-ethylcarbonatobenzoic acid (KING and MURCH), 2649.
$C_{10}H_9N_2Br$ 5-Bromo-4-phenyl-1-methylglyoxaline, and its picrate (FORSYTH and PYMAN), 576.
1:4-Di-*p*-bromophenyl-3:6-diphenyl-1:4-dihydro-1:2:4:5-tetrazine (CHATTAWAY and WALKER), 982.
$C_{10}H_9N_4Br$ *p*-Bromobenzeneazomethylglyoxalines (BURTLES and PYMAN), 2016.
$C_{10}H_9Cl_2As$ Phenyl-ββ′-dichlorodivinylarsine (HUNT and TURNER), 997.
$C_{10}H_{10}ON_4$ Glyoxalinecarboxyaminoanilides, and their salts (BALABAN and PYMAN), 2706.
$C_{10}H_{10}O_2Br_2$ Methyl 2:4-di(bromomethyl)benzoate (PERKIN and STONE), 2287.
$C_{10}H_{10}O_4N_2$ Acetyl-3-nitro-4-methyl-α-benzaldoxime (BRADY, COSSON, and ROPER), 2432.
$C_{10}H_{10}O_8N_2$ Glycerol α-mono-3:5-dinitrobenzoate (FAIRBOURNE and FOSTER), 2763.
$C_{10}H_{10}N_2S$ 2-Thiol-1-phenyl-4-methylglyoxaline (BURTLES, PYMAN, and ROYLANCE), 589.
$C_{10}H_{11}ON$ 4-Ketomethyl-1:2:3:4-tetrahydroquinolines (CLEMO and PERKIN), 2303.
$C_{10}H_{11}O_2N$ 6-Methoxy-4-keto-1:2:3:4-tetrahydroquinoline (CLEMO and PERKIN), 2306.
$C_{10}H_{11}O_2Br$ Methyl bromodimethylbenzoates (PERKIN and STONE), 2285.
$C_{10}H_{11}O_4N$ 6-Amino-4:5-dimethoxyphthalide (RÂY and ROBINSON), 1622.
$C_{10}H_{11}O_5N$ 5-Nitro-4-methoxy-2-ethoxybenzaldehyde (RAO, SRIKANTIA, and IYENGAR), 559.
6-Nitro-3-methoxy-2-ethoxybenzaldehyde (RUBENSTEIN), 2269.
$C_{10}H_{11}O_6N$ 6-Nitro-3-methoxy-2-ethoxybenzoic acid (RUBENSTEIN), 2269.
$C_{10}H_{12}O_2N_2$ Malonmonomethylmonophenylamide (WEST), 750.
$C_{10}H_{12}O_3N_2$ Acetonitrobenzylmethylamides (HOLMES and INGOLD), 1818.
$C_{10}H_{12}O_5N_2$ 4-Nitro-2:5-dimethoxyacetanilide (RUBENSTEIN), 2003.
$C_{10}H_{12}O_5S$ *d*-α-*p*-Toluenesulphonoxypropionic acid, rotatory power and reactions of (KENYON, PHILLIPS, and TURLEY), 412.
$C_{10}H_{13}ON$ Acetomethylbenzylamide (HOLMES and INGOLD), 1818.
$C_{10}H_{13}OCl$ α-Chloro-γ-hydroxy-β-phenyl-β-methylpropane (MILLS and BAINS), 2504.

$C_{10}H_{13}OBr$ α-Bromo-γ-hydroxy-β-phenyl-β-methylpropane (MILLS and BAINS), 2504.

$C_{10}H_{13}O_2N$ γ-Piperonylpropylamine, and its hydrochloride (BAKER and ROBINSON), 1428.

$C_{10}H_{13}O_2Br$ β-Bromocamphorquinone (BURGESS and LOWRY), 277.

$C_{10}H_{13}O_3N_3$ δ-3-Carbethoxyphenylsemicarbazide, and its hydrochloride (WILSON and CRAWFORD), 107.

$C_{10}H_{15}O_2Br$ Ethyl 2-bromo-Δ^1-*cyclo*hexeneacetate (BAKER), 988.

$C_{10}H_{15}O_5Cl$ Ethyl α-chloroacetylsuccinate (MACBETH and TRAILL), 1120.

$C_{10}H_{16}O_2Br_2$ Ethyl 1:2-dibromo*cyclo*hexane-1-acetate (BAKER), 988.

$C_{10}H_{16}O_3Te$ 4-*sec.*-Amyl*cyclo*telluropentane-3:5-dione (MORGAN and ELVINS), 2624.

$C_{10}H_{17}ON$ Tagetone oxime (JONES and SMITH), 2538.

$C_{10}H_{17}ON_3$ α-Methyl-Δ^1-*cyclo*pentenylacetone semicarbazone (KON and LINSTEAD), 821.

$C_{10}H_{17}O_3N$ *d*-2:2:4-Trimethyl*cyclo*hexan-3-one-1-carboxylic acid oxime (GIBSON and SIMONSEN), 1298.

$C_{10}H_{17}O_3N_3$ 1-Methyl*cyclo*hexan-3-one-1-acetic acid semicarbazone (FARMER and ROSS), 2365.

$C_{10}H_{17}O_4Cl$ Ethyl γ-chloro-α-methylglutarate (INGOLD), 394.

$C_{10}H_{17}O_4Br$ Ethyl γ-bromo-α-methylglutarate (INGOLD), 393.

$C_{10}H_{17}O_4I$ Ethyl α-iodo-α-methylglutarate (INGOLD), 394.

$C_{10}H_{19}ON$ γη-Dimethyl-Δ^α-octen-ε-one oxime (JONES and SMITH), 2535.
n- and *iso*-Menthoneoximes (READ and COOK), 2786.

$C_{10}H_{19}O_3N_3$ β-*iso*Valeryl-α-methylpropionic acid semicarbazone (JONES and SMITH), 2536.

$C_{10}H_{19}O_8N$ Trimethyl methylglucoside 6-mononitrate (OLDHAM), 2841.

$C_{10}H_{20}O_6S_2$ Menthanedisulphonic acid, barium salt (KOLKER and LAPWORTH), 314.

$C_{10}H_{21}ON$ γη-Dimethyloctan-ε-one oxime (JONES and SMITH), 2535.

$C_{10}H_{21}O_6N$ Tetramethyl galactonamide (PRYDE, HIRST, and HUMPHREYS), 353.

10 IV

$C_{10}H_7O_2IS$ Naphthalene-2-sulphonyl iodide (GIBSON, MILLER, and SMILES), 1823.

$C_{10}H_9O_5BrS$ 4-Bromo-2-carboxy-5-methoxyphenylthiolacetic acid (GRIFFITH and HOPE), 994.

$C_{10}H_9O_6N_4As$ Glyoxalinecarboxy-*p*-amino-3-nitrophenylarsinic acid, $(+H_2O)$ and its salts (BALABAN and KING), 2708.

$C_{10}H_{10}O_2N_2Br_2$ Bromomalonmonomethylmono-*p*-bromophenylamide (WEST), 751.

$C_{10}H_{10}O_4NBr$ 5-Bromo-2-acetylamino-4-methoxybenzoic acid (GRIFFITH and HOPE), 993.

$C_{10}H_{10}O_4N_2As$ Glyoxalinecarboxy-*p*-aminophenylarsinic acid, $(+H_2O)$ and its salts (BALABAN and KING), 2708.

$C_{10}H_{11}OCl_3Te$ Tellurium phenyl-*n*-propylketone trichloride (MORGAN and ELVINS), 2631.

$C_{10}H_{11}O_3N_2Br$ Bromomalonmono-*p*-tolylamide (WEST), 752.

$C_{10}H_{11}O_4N_4As$ Glyoxalinecarboxy-*p*-amino-3-aminophenylarsinic acid, $(+\frac{1}{2}H_2O)$ and its salts (BALABAN and KING), 2709.

$C_{10}H_{12}O_2NCl$ 5-Chloro-2-acetylamino-4-methoxytoluene (HEILBRON, KITCHEN, PARKES, and SUTTON), 2175.

$C_{10}H_{12}O_2NBr$ 5-Bromo-2-acetylamino-*p*-tolyl methyl ether (GRIFFITH and HOPE), 992.

$C_{10}H_{12}O_3NBr$ 4-Bromo-2:5-dimethoxyacetanilide (RUBENSTEIN), 2003.

$C_{10}H_{12}O_6NAs$ 3-Acetylamino-4-acetoxyphenylarsinic acid (KING and MURCH), 2651.

$C_{10}H_{13}ONS$ *iso*Propyl phenylthiocarbamate (BIRCH and NORRIS), 904.

$C_{10}H_{13}O_2NS$ *iso*Propyl mercaptan *p*-nitrobenzyl ether (BIRCH and NORRIS), 904.

$C_{10}H_{13}O_2SAs$ *p*-Carboxyphenylmethylethylarsine sulphides, and their salts (MILLS and RAPER), 2481.

$C_{10}H_{13}O_4NS$ *d*-α-*p*-Toluenesulphonoxypropionamide (KENYON, PHILLIPS, and TURLEY), 412.

$C_{10}H_{15}O_4SBr$ β-Bromocamphor-α-sulphonic acid, and its salts (BURGESS and LOWRY), 271.

$C_{10}H_{16}O_2Cl_2Te$ 4-*sec.*-Amyl*cyclo*telluripentane-3:5-dione dichloride (MORGAN and ELVINS), 2624.

$C_{10}H_{18}O_2Cl_2Te$ Tellurium bismethylpropylketone dichlorides (MORGAN and ELVINS), 2628.

10 V

$C_{10}H_{12}O_2ClBrS$ α-Bromocamphor-π-chlorosulphoxide (BURGESS and LOWRY), 282.

$C_{10}H_{14}O_3ClBrS$ β-Bromocamphor-α-sulphonyl chloride (BURGESS and LOWRY), 271.

$C_{10}H_{15}O_3NBr_2S$ α′β-Dibromocamphor-α-sulphonamide (BURGESS and LOWRY), 277.

$C_{10}H_{16}O_3NBrS$ β-Bromocamphor-α-sulphonamide (BURGESS and LOWRY), 275.

$C_{10}H_{18}O_4NBrS$ Acetyl-β-bromocamphor-α-sulphonamide (BURGESS and LOWRY), 276.

C_{11} Group.

$C_{11}H_8O_5$ Piperonylsuccinic anhydride (BAKER and LAPWORTH), 566.

$C_{11}H_{10}O_4$ 7-Acetoxy-3:4-dihydrocoumarin (CHAPMAN and STEPHEN), 890.

Anisylsuccinic anhydride (BAKER and LAPWORTH), 566.

$C_{11}H_{10}O_5$ 3-Methoxy-5:7-dihydroxy-2-methylchromone (KALFF and ROBINSON), 1972.

$C_{11}H_{12}O_2$ 2-Hydroxystyryl ethyl ketone (MCGOOKIN and SINCLAIR), 2542.

$C_{11}H_{12}O_5$ Anisylsuccinic acid (BAKER and LAPWORTH), 565.

$C_{11}H_{12}O_6$ Vanillylsuccinic acid (BAKER and LAPWORTH), 564.

$C_{11}H_{14}O_6$ Δ^1-*cyclo*Hexene-1-acetic-2-malonic acid (BAKER), 988.

$C_{11}H_{16}O_2$ β-Phenyl-γ-methylbutylene βγ-glycol, synthesis of (ROGER), 522.

$C_{11}H_{16}O_4$ 2:3-Dimethoxybenzaldehyde dimethylacetal (HAWORTH and PERKIN), 1437.

Acetyl derivative of lactone $C_9H_{14}O_3$ (GOODSON and HENRY), 1648.

$C_{11}H_{18}O_2$ Methyl *l*-2:2:4-trimethyl-Δ^3-*cyclo*hexene-1-carboxylate (GIBSON and SIMONSEN), 1302.

$C_{11}H_{18}O_3$ Ethyl 1-methyl*cyclo*hexan-3-one-1-acetate (FARMER and ROSS), 2365.

$C_{11}H_{18}O_3$ Methyl *d*-2:2:4-trimethyl*cyclo*hexan-3-one-1-carboxylate (GIBSON and SIMONSEN), 1299.

$C_{11}H_{18}O_5$ Ethyl α-keto-ββ-dimethylglutarate (ROTHSTEIN, STEVENSON, and THORPE), 1079.

$C_{11}H_{18}O_6$ αα′-Dihydroxy*cyclo*heptane-1:1-diacetic acid, and its silver salt (BAKER), 1681.

$C_{11}H_{18}N_2$ *cyclo*Hexylidene*cyclo*pentylideneazine (PERKIN and PLANT), 1141.

$C_{11}H_{20}O_2$ *n*-Octoylacetone, and its copper salt (MORGAN and HOLMES), 2892.

$C_{11}H_{20}O_3$ Methyl *trans-d*-3-hydroxy-2:2:4-trimethyl*cyclo*hexane-1-carboxylate (GIBSON and SIMONSEN), 1302.

Ethyl *iso*valeryl-α-methylpropionate (JONES and SMITH), 2536.

11 III

$C_{11}H_9O_3N$ α-Carbethoxy-γ-hydroxy-γ-phenyl-Δ$^{\beta}$-propenecarboxylamide (R. M. and J. N. RÂY), 2722.

$C_{11}H_{10}O_4Br_2$ *aa'*-Dibromo-β-phenylglutaric acid (HAERDI and THORPE), 1242.

$C_{11}H_{11}ON$ 4-Methoxy-6-methylquinoline (CLEMO and PERKIN), 2305.

$C_{11}H_{11}O_2N_3$ 3-*iso*Propylideneaminotetrahydroquinazoline-2:4-dione (WILSON and CRAWFORD), 109.

$C_{11}H_{11}O_4N$ 2-Carboxy-4:5-dimethoxyphenylacetonitrile (HAWORTH and PINK), 1370.

4:5-Dimethoxyhomophthalimide (HAWORTH and PINK), 1370.

$C_{11}H_{11}O_4Br$ *o*-Bromobenzylidene diacetate (BRADY, COSSON, and ROPER), 2429.

$C_{11}H_{11}N_4Br$ 2-*p*-Bromobenzeneazo-4:5-dimethylglyoxaline, and its hydrochloride (BURTLES and PYMAN), 2014.

$C_{11}H_{12}O_2N_2$ Methoxydimethyl-4-quinazolones (HEILBRON, KITCHEN, PARKES, and SUTTON), 2173.

$C_{11}H_{13}O_5N_2$ Succin-2-nitro-*p*-toluidic acid (BRADY, QUICK, and WELLING), 2267.

$C_{11}H_{12}O_7N_2$ Acetyl derivative of trimethylene glycol monodinitrophenyl ether (FAIRBOURNE and FOSTER), 2762.

$C_{11}H_{12}N_2S$ 2-Ethylthiol-1-phenylglyoxaline, picrate of (BURTLES, PYMAN, and ROYLANCE), 590.

$C_{11}H_{13}ON_3$ *p*-Tolueneazoallylformaldoxime (WALKER), 1862.

$C_{11}H_{13}O_2N$ Diacetylbenzylamine (HOLMES and INGOLD), 1820.

6-Ethoxy-4-keto-1:2:3:4-tetrahydroquinoline (CLEMO and PERKIN), 2306.

β-Veratrylpropionitrile (BAKER and ROBINSON), 1433.

$C_{11}H_{13}O_3N$ Acetyl-4-methoxy-3-methyl-α-benzaldoxime (BRADY, COSSON, and ROPER), 2431.

$C_{11}H_{13}O_4N$ Carbethoxymethylanthranilic acid (HEILBRON, KITCHEN, PARKES, and SUTTON), 2171.

5-Nitro-4-allylveratrole (LIONS, PERKIN, and ROBINSON), 1167.

$C_{11}H_{13}O_5N$ 4:5-Dimethoxyhomophthalamic acid (HAWORTH and PINK), 1370.

Nitro-2:3-diethoxybenzaldehydes (RUBENSTEIN), 2269.

$C_{11}H_{13}O_6N$ Methyl 2-cyano*cyclo*butane-1:2:3-tricarboxylate (ING and PERKIN), 2396.

$C_{11}H_{15}O_2N$ 6:7-Dimethoxy-1:2:3:4-tetrahydro*iso*quinoline, and its hydrochloride (FORSYTH, KELLY, and PYMAN), 1666.

$C_{11}H_{14}O_2N_2$ Malonmonoethylmonophenylamide (WEST), 750.

Malonmonomethylmono-*p*-tolylamide (WEST), 751.

$C_{11}H_{15}O_{10}N$ Acetonitropentose (OLDHAM), 2845.

$C_{11}H_{16}O_2N_2$ *neo*Pilocarpines, and their salts (BURTLES, PYMAN, and ROYLANCE), 584.

$C_{11}H_{17}ON_3$ Base, and its salts, from chenopodium oil (HENRY and PAGET), 1656.

$C_{11}H_{17}O_4N$ Ethyl *as*-dimethylcyanosuccinate, preparation and stability of (INGOLD), 472.

$C_{11}H_{18}O_2Te$ 2-*n*-Hexyl*cyclo*telluropentane-3:5-dione (MORGAN and TAYLOR), 805.

$C_{11}H_{19}ON_3$ α-Ethyl-Δ^1-*cyclo*pentenylacetone semicarbazone (KON and LINSTEAD), 821.

$C_{11}H_{19}O_3N$ Methyl *d*-2:2:4-trimethyl*cyclo*hexan-3-one-1-carboxylate oxime (GIBSON and SIMONSEN), 1299.

$C_{11}H_{21}ON_3$ γη-Dimethyl-Δα-octen-ε-one semicarbazone (JONES and SMITH), 2535.

dl-Menthonesemicarbazones (READ and COOK), 2787.

$C_{11}H_{23}ON_3$ γη-Dimethyloctan-ε-one semicarbazone (JONES and SMITH), 2535.

δ-Menthylsemicarbazide, and its hydrochloride (WILSON and CRAWFORD), 106.

11 IV

$C_{11}H_9ONS$ α-Thiocyanostyryl methyl ketone (CHALLENGER and BOTT), 1040.

$C_{11}H_{10}O_3NI_3$ Thyroxin, relation of, to tryptophan (HICKS), 771.

$C_{11}H_{12}O_2N_2Br_2$ Bromomalonmonoethylmono-*p*-bromophenylamide (WEST), 751.

$C_{11}H_{13}ONS$ Substance, from carvone and thiocyanogen (CHALLENGER and BOTT), 1041.

$C_{11}H_{13}O_2N_2Br$ Bromomalonmonomethylmono-*p*-tolylamide (WEST), 751.

$C_{11}H_{14}ON_2S$ 2-Anilino-5-ethoxy-4:5-dihydrothiazole (BURTLES, PYMAN, and ROYLANCE), 590.

$C_{11}H_{15}ONS$ *iso*Butyl phenylthiocarbamate (BIRCH and NORRIS), 905.

$C_{11}H_{18}O_2Cl_2Te$ 2-*n*-Hexyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (MORGAN and TAYLOR), 804.

$C_{11}H_{20}O_2NBr$ 4-Carboxybispiperidinium-1:1′-spiran bromide, and its picrate (MILLS and BAINS), 2506.

11 V

$C_{11}H_9ONBr_2S$ α-Thiocyanostyryl methyl ketone dibromide (CHALLENGER and BOTT), 1041.

C_{12} Group.

$C_{12}H_{10}O_6$ Carboxyphenylparaconic acid (HAERDI and THORPE), 1246.

$C_{12}H_{10}N_2$ 3-Methyl-3-*iso*carboline (ARMIT and ROBINSON), 1612.

$C_{12}H_{14}O_2$ 3-Benzylacetylacetone, and its salts (MORGAN and TAYLOR), 801.

2-Hydroxystyryl *n*-propyl ketone (MCGOOKIN and SINCLAIR), 2542.

β-Phenylpropionylacetone, copper salt (MORGAN and JONES), 2619.

$C_{12}H_{14}O_3$ 3-Methoxy-4-hydroxystyryl ethyl ketone (MCGOOKIN and SINCLAIR), 2543.

$C_{12}H_{14}N_2$ 1-Anilino-1-cyano*cyclo*pentane (PLANT and FACER), 2038.

$C_{12}H_{16}O_4$ Benzoyl dimethyl glycerol (GILCHRIST and PURVES), 2743.

Ethyl ethane-$^{1:2}$II$^{1:4}$-1-methyl*cyclo*hexa-3:5-dione-2-carboxylate (FARMER and ROSS), 2366.

$C_{12}H_{16}O_5$ ω:3:4:5-Tetramethoxyacetophenone (PRATT and ROBINSON), 173.

$C_{12}H_{16}O_8$ Dextrin triacetate (IRVINE and OLDHAM), 2915.

Methyl *cyclo*butane-1:2:2:3-tetracarboxylate (ING and PERKIN), 2395.

$C_{12}H_{18}O_5$ Ethyl hydrogen 1-methyl*cyclo*hexan-3-one-4-carboxylate-3-acetate (FARMER and ROSS), 2366.

*cyclo*Heptane*spiro*-1-methoxy*cyclo*propane-1:2-dicarboxylic acid (BAKER), 1680.

$C_{12}H_{20}O_5$ Ethyl methoxycaronate (ROTHSTEIN, STEVENSON, and THORPE), 1079.

$C_{12}H_{20}O_6$ Tetramethylglucose, mutarotation of, in various solvents (LOWRY and RICHARDS), 1385.

$C_{12}H_{20}N_2$ *cyclo*Hexylideneazine, action of hydrochloric acid on (PERKIN and PLANT), 1138.

$C_{12}H_{21}O_4$ 3-*sec.*-Amyldipropionylmethane (MORGAN and ELVINS), 2624.

$C_{12}H_{22}O_2$ *n*-Nonoylacetone, and its copper salt (MORGAN and HOLMES), 2893.

$C_{12}H_{22}O_3$ *l*-Menthyl glycollate (RULE and SMITH), 2191.

$C_{12}H_{22}O_5$ Diethyl α-keto-ββ-dimethylpentane-αγ-dicarboxylate (ROTHSTEIN, STEVENSON, and THORPE), 1077.

Ethyl ester of acid, $C_8H_{14}O_5$ (GOSS and INGOLD), 2779.

$C_{12}H_{22}O_6$ Ethyl phenyl*cyclo*propanetricarboxylate (HAERDI and THORPE), 1246.

$C_{12}H_{24}O_2$ Lauric acid, potassium salt, effect of potassium chloride on solutions of (QUICK), 1401.

12 III

$C_{12}H_8ClAs$ *oo′*-Diphenylylenearsenious chloride (AESCHLIMANN, LEES, MCCLELLAND, and NICKLIN), 68.

$C_{12}H_8Cl_3As$ Di-*p*-chlorophenylchloroarsine (HUNT and TURNER), 2671.
$C_{12}H_9O_2As$ *oo'*-Diphenylylenearsinic acid (AESCHLIMANN, LEES, MCCLELAND, and NICKLIN), 68.
$C_{12}H_9O_3As$ Diphenylyl-*o*-arsinic acid (AESCHLIMANN, LEES, MCCLELAND, and NICKLIN), 68.
$C_{12}H_{10}O_2Se$ α-Naphthylselenoglycollic acid (MORGAN and PORRITT), 1758.
$C_{12}H_{10}N_2S_2$ 4:4'-Diaminodiphenyl trisulphide, and its hydrochloride (HODGSON and WILSON), 443.
$C_{12}H_{11}O_4N$ α-Cyano-β-veratrylacrylic acid (BAKER and ROBINSON), 1432.
$C_{12}H_{11}O_4Br$ Methyl hydrogen 1-bromo-3-phenyl*cyclo*propane-1:2-dicarboxylate (HAERDI and THORPE), 1244.
$C_{12}H_{11}O_4As$ *o*-Phenoxyphenylarsinic acid (TURNER and SHEPPARD), 546.
$C_{12}H_{11}O_5N_3$ Pyridine 3:5-dinitro-*o*-tolyl oxide (GIBSON), 45.
$C_{12}H_{12}O_2N_2$ Ethyl 4(5)-phenylglyoxaline-5(4)-carboxylate (FORSYTH and PYMAN), 580.
Methyl 3-amino-2-methylcinchoninate (GULLAND and ROBINSON), 1497.
$C_{12}H_{12}O_2Te$ 2-Benzyl*cyclo*telluropentane-3:5-dione (MORGAN and JONES), 2620.
4-Benzyl*cyclo*telluropentane-3:5-dione (MORGAN and TAYLOR), 801.
$C_{12}H_{12}O_3N_2$ 6:7-Dimethoxy*iso*quinoline-1-carboxylamide (HAWORTH and PERKIN), 1442.
$C_{12}H_{13}ON$ ψ-Indoxyl*spirocyclo*pentane, alkali salts of (SIDGWICK and PLANT), 209.
$C_{12}H_{13}O_3N$ Carbethoxy-α-cinnamaldoxime (BRADY and MCHUGH), 2426.
$C_{12}H_{13}O_4N$ α-Cyano-β-veratrylpropionic acid (BAKER and ROBINSON), 1433.
$C_{12}H_{14}O_3N_2$ 1-Anilino*cyclo*pentane-1-carboxynitrosoamine (PLANT and FACER), 2039.
$C_{12}H_{15}O_2N$ 1-Anilino*cyclo*pentane-1-carboxylic acid (PLANT and FACER), 2039.
$C_{12}H_{15}O_2N_3$ Nitrosoamine of 1-anilino*cyclo*pentane-1-carboxylamide (PLANT and FACER), 2039.
$C_{12}H_{15}O_2Br$ α-Bromo-γ-acetoxy-β-phenyl-β-methylpropane (MILLS and BAINS), 2505.
$C_{12}H_{15}O_3N$ Acetylpiperonylpropylamine (BAKER and ROBINSON), 1429.
$C_{12}H_{16}ON_2$ 1-Anilino*cyclo*pentane-1-carboxylamide (PLANT and FACER), 2039.
$C_{12}H_{16}O_2N_2$ Malonmonoethylmono-*p*-tolylamide (WEST), 751.
$C_{12}H_{17}O_2Br$ Bromoacetoxydihydro-*p*-cymene (HENRY and PAGET), 1658.
$C_{12}H_{18}O_2N_2$ Ethylenediaminobisacetylacetone, diaquocobalt salt (MORGAN and SMITH), 2034.
$C_{12}H_{18}O_3N_2$ Diphenylcarbamyl-*o*-methoxy-β-benzaldoxime (BRADY and MCHUGH), 2426.
$C_{12}H_{20}O_2Te$ 2-*n*-Heptyl*cyclo*telluropentane-3:5-dione (MORGAN and TAYLOR), 805.
$C_{12}H_{21}O_3N_3$ Ethyl 1-methyl*cyclo*hexan-3-one-1-acetate semicarbazone (FARMER and ROSS), 2365.
Methyl *d*-2:2:4-trimethyl*cyclo*hexan-3-one-1-carboxylate semicarbazones (GIBSON and SIMONSEN), 1300.
$C_{12}H_{22}O_2N$ *N*-Methylol-Δω-undecenoamide (JONES and PYMAN), 2598.

12 IV

$C_{12}H_7OCl_2As$ Dichlorophenoxarsines (ROBERTS and TURNER), 2010.
$C_{12}H_8OClAs$ 6-Chlorophenoxarsine (TURNER and SHEPPARD), 544.
$C_{12}H_8OCl_2As$ Chlorophenoxyphenyldichloroarsines (ROBERTS and TURNER), 2009.
$C_{12}H_8O_3NCl$ Chloronitrodiphenyl ethers (ROBERTS and TURNER), 2008.
$C_{12}H_8O_3ClAs$ Chlorophenoxarsinic acids (ROBERTS and TURNER), 2010.
$C_{12}H_{10}ONCl$ Chloroaminodiphenyl ethers, and their hydrochlorides (ROBERTS and TURNER), 2008.

$C_{12}H_{10}O_4ClAs$ Chlorophenoxyphenylarsinic acids (ROBERTS and TURNER), 2009.
$C_{12}H_{12}O_2N_2S$ Ethyl 2-thiol-4(5)-phenylglyoxaline-5(4)-carboxylate (FORSYTH and PYMAN), 579.
$C_{12}H_{12}O_2Cl_2Te$ 4-Benzyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (MORGAN and TAYLOR), 801.
$C_{12}H_{14}O_2NI$ 6:7-Dimethoxy*iso*quinoline methiodide (FORSYTH, KELLY, and PYMAN), 1666.
$C_{12}H_{14}O_2N_2Te$ 4-Benzyl*cyclo*telluropentane-3:5-dionedioxime (MORGAN and TAYLOR), 801.
$C_{12}H_{15}O_2N_2Br$ Bromomalonmonoethylmono-*p*-tolylamide (WEST), 751.
$C_{12}H_{16}ON_2S$ 2-Anilino-5-ethoxy-4-methyl-4:5-dihydrothiazole, picrate of (BURTLES, PYMAN, and ROYLANCE), 589.
$C_{12}H_{20}O_2Cl_2Te$ 2-*n*-Heptyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (MORGAN and TAYLOR), 805.
$C_{12}H_{21}O_2Cl_3Te$ Tellurium *n*-nonylacetone trichloride (MORGAN and TAYLOR), 806.
$C_{12}H_{22}O_2Cl_2Te$ Tellurium bismethylbutylketone dichlorides (MORGAN and ELVINS), 2629.
Tellurium bispinacolin dichloride (MORGAN and ELVINS), 2630.
$C_{12}H_{29}O_6N_4Co$ Diamminoethylene diaminobisacetonecobaltic hydroxide, salts of (MORGAN and SMITH), 2034.
$C_{12}H_{36}Cl_2Sb_4Pd$ Tetrakistrimethylstibinepalladous chloride (MORGAN and YARSLEY), 190.

12 V

$C_{12}H_6O_2Cl_2Br_2S_2$ 2:5-Dibromophenyl 2:5-dichlorobenzenethiolsulphonate (MILLER and SMILES), 230.
2:5-Dichlorophenyl 2:5-dibromobenzenethiolsulphonate (MILLER and SMILES), 230.
$C_{12}H_7O_4NCl_2S_2$ 2:5-Dichlorophenyl 2-nitrobenzenethiolsulphonate (MILLER and SMILES), 230.
2-Nitrophenyl 2:5-dichlorobenzenethiolsulphonate (MILLER and SMILES), 229.
$C_{12}H_8O_4NClS_2$ 2-Nitrophenyl 4-chlorobenzenethiolsulphonate (MILLER and SMILES), 229.
$C_{12}H_{36}Cl_4SbPtPd$ Tetrakistrimethylstibineplatinous palladochloride (MORGAN and YARSLEY), 189.

C_{13} Group.

$C_{13}H_{11}As$ Diphenylylenemethylarsine (AESCHLIMANN, LEES, MCCLELAND, and NICKLIN), 69.
$C_{13}H_{12}O_6$ Acetovanillylsuccinic anhydride (BAKER and LAPWORTH), 565.
α-Carbethoxy-γ-hydroxy-γ-phenyl-Δβ-propenecarboxylactone (R. M. and J. N. RÂY), 2722.
Ethyl 4-hydroxymethyl-1:2-phthalideoxalate (PERKIN and STONE), 2287.
$C_{13}H_{12}O_7$ 2:4:6-Triacetoxybenzaldehyde ($+\frac{1}{2}H_2O$) (PRATT and ROBINSON), 1184.
$C_{13}H_{13}N$ Benzylaniline, reactions of antimony halides with (VANSTONE), 552.
$C_{13}H_{14}O_5$ 2-Ethoxy-3-phenyl*cyclo*propane-1:2-dicarboxylic acid, and its silver salt (HAERDI and THORPE), 1242.
$C_{13}H_{16}O_2$ 3-Benzylpropionylacetone, and its copper salt (MORGAN and CORBY), 2618.
$C_{13}H_{16}O_3$ 3-Methoxy-4-hydroxystyryl *n*-propyl ketone (MCGOOKIN and SINCLAIR), 2543.
$C_{13}H_{20}O_2$ β-Phenyl-γ-ethylamylene βγ-glycol (ROGER), 523.
$C_{13}H_{20}O_6$ γδ-Dicarbethoxy-γ-hydroxy-ββ-dimethylbutane-α-carboxylactone (ROTHSTEIN, STEVENSON, and THORPE), 1080.

$C_{13}H_{20}O_9$ Triacetyl methylglucoside (OLDHAM), 2844.
$C_{13}H_{22}O_4$ *l*-Menthyl hydrogen malonate (RULE and SMITH), 2192.
$C_{13}H_{22}O_6$ Ethyl *as*-dimethylcarboxysuccinate (INGOLD), 473.
$C_{13}H_{24}O_3$ *l*-Menthyl methoxyacetate (RULE and SMITH), 2191.
$C_{13}H_{24}O_6$ Ethyl $\beta\beta'$-dimethoxydiethylmalonate (BENNETT), 1279.

13 III

$C_{13}H_7O_9N_5$ Picrylnitrobenz*syn*aldoximes (BRADY and KLEIN), 846.
$C_{13}H_8O_7N_4$ Picrylbenz*syn*aldoxime (BRADY and KLEIN), 846.
$C_{13}H_8N_2Cl_4$ Benzaldehydetetrachlorophenylhydrazone (HUMPHRIES, HUMBLE, and EVANS), 1307.
$C_{13}H_8NAs$ *oo'*-Diphenylylenearsenious cyanide (AESCHLIMANN, LEES, MCCLELLAND, and NICKLIN), 69.
$C_{13}H_9N_2Cl_3$ Benzaldehyde-*p*-chlorophenylhydrazone (HUMPHRIES, HUMBLE, and EVANS), 1306.
Chlorobenzaldehyde-2:4-dichlorophenylhydrazones (HUMPHRIES, HUMBLE, and EVANS), 1307.
$C_{13}H_9N_2Br_3$ Bromobenzaldehyde-2:4-dibromophenylhydrazones (CHATTAWAY and WALKER), 980.
$C_{13}H_{10}O_2N_2$ Anhydro-3-acetylamino-2-methylcinchoninic acid (GULLAND and ROBINSON), 1498.
$C_{13}H_{10}O_4N_2$ *m*-Nitrophenyl phenylcarbamate (BRADY and HARRIS), 2175.
$C_{13}H_{10}O_5N_4$ Nitrohydroxybenzaldehyde-*p*-nitrophenylhydrazones (HODGSON and BEARD), 880.
$C_{13}H_{11}ON$ Benzanilide, reactions of antimony halides with (VANSTONE), 550.
$C_{13}H_{11}O_2N$ Phenyl*cyclo*iminotoluquinone (CHATTAWAY and PARKES), 1310.
$C_{13}H_{11}O_2N_3$ Phenylaziminotoluquinone (CHATTAWAY and PARKES), 1309.
$C_{13}H_{11}N_2Br_2$ Benzaldehyde-2:4-dibromophenylhydrazidine (CHATTAWAY and WALKER), 981.
$C_{13}H_{12}O_3N_2$ 3-Acetylamino-2-methylcinchoninic acid (GULLAND and ROBINSON), 1497.
$C_{13}H_{12}BrAs$ *p*-Bromodiphenylmethylarsine (HUNT and TURNER), 2670.
$C_{13}H_{12}ON_2$ 3-*p*-Hydroxybenzeneazo-2:6-lutidine, and its hydrochloride (GULLAND and ROBINSON), 1495.
$C_{13}H_{13}O_4Br$ Methyl 1-bromo-3-phenyl*cyclo*propane-1:2-dicarboxylate (HAERDI and THORPE), 1244.
Lactone of ethyl α-bromo-α'-hydroxy-β-phenylglutarate (HAERDI and THORPE), 1241.
$C_{13}H_{14}ON_4$ 2:4:2':4'-Tetra-aminobenzophenone (GULLAND and ROBINSON), 1499.
$C_{13}H_{14}O_2Te$ 4-Benzyl-2-methyl*cyclo*telluropentane-3:5-dione (MORGAN and CORBY), 2618.
$C_{13}H_{14}O_8N_2$ *iso*Propylidene glycerol 3:5-dinitrobenzoate (FAIRBOURNE and FOSTER), 2763.
$C_{13}H_{14}O_4Br_2$ Methyl $\alpha\alpha'$-dibromo-β-phenylglutarate (HAERDI and THORPE), 1241.
$C_{13}H_{15}O_2N$ Dimethoxy-2:4-dimethylquinolines, and their salts (LIONS, PERKIN, and ROBINSON), 1162.
$C_{21}H_{15}O_2N_3$ 3-Diphenylmethyleneaminotetrahydroquinazoline-2:4-dione (WILSON and CRAWFORD), 108.
$C_{13}H_{15}O_4N$ δ-*o*-Formylaminobenzoylvaleric acid (PATERSON and PLANT), 1798.
$C_{13}H_{15}O_4Br$ Methyl α-bromo-β-phenylglutarate (HAERDI and THORPE), 1241.
$C_{13}H_{17}ON$ Methylpentenoic acid *p*-toluidides (KON and LINSTEAD), 623.
$C_{13}H_{17}O_3N$ 5-Acetylamino-4-allylveratrole (LIONS, PERKIN, and ROBINSON), 1168.
β Dimethoxyanilinopropenyl methyl ketones (LIONS, PERKIN, and ROBINSON), 1162.

$C_{13}H_{17}O_3N_3$ Acetone-3-carbethoxyphenylsemicarbazones (WILSON and CRAWFORD), 108.

$C_{13}H_{18}O_2N_2$ Malonmono*iso*propylmono-*p*-tolylamide (WEST), 751.

$C_{13}H_{18}O_3N_2$ Anhydrocotarninemethylamine, and its salts (HAWORTH and PERKIN), 1444.

$C_{13}H_{19}O_2N$ Dimethoxy-2:4-dimethyl-1:2:3:4-tetrahydroquinolines, and their salts (LIONS, PERKIN, and ROBINSON), 1162.

$C_{13}H_{19}O_8I$ Triacetyl methylglucoside 6-iodohydrin (OLDHAM), 2844.

$C_{13}H_{19}O_{11}N$ Triacetyl methylglucoside 6-nitrate (OLDHAM), 2843.

13 IV

$C_{13}H_6O_2N_3Cl_3$ 1-Trichlorophenyl-3-*o*-nitrophenyl*iso*diazomethanes (CHATTAWAY and WALKER), 2412.

$C_{13}H_7O_2N_3Cl_2$ 1-2:4-Dichlorophenyl-3-*o*-nitrophenyl*iso*diazomethane (CHATTAWAY and WALKER), 2412.

$C_{13}H_7O_2N_2Cl_4$ ω-Chloronitrobenzaldehydetrichlorophenylhydrazones (CHATTAWAY and WALKER), 1690, 2413.

$C_{13}H_7O_2N_3Br_2$ 1-2:4-Dibromophenyl-3-*o*-nitrophenyl*iso*diazomethane (CHATTAWAY and WALKER), 2411.

$C_{13}H_7O_2N_3Br_4$ ω-Bromo-*m*-nitrobenzaldehydetribromophenylhydrazone (CHATTAWAY and WALKER), 1695.

$C_{13}H_8O_3NBr_3$ 2:4:6-Tribromophenyl*cyclo*iminotoluquinone (CHATTAWAY and PARKES), 1311.

$C_{13}H_8O_2N_3Cl$ 1-*p*-Chlorophenyl-3-*o*-nitrophenyl*iso*diazomethane (CHATTAWAY and WALKER), 2412.

$C_{13}H_8O_2N_3Cl_3$ ω-Chloronitrobenzaldehydedichlorophenylhydrazones (CHATTAWAY and WALKER), 1691, 2413.

$C_{13}H_8O_2N_3Br$ 1-*p*-Bromophenyl-3-*o*-nitrophenyl*iso*diazomethane (CHATTAWAY and WALKER), 2410.

$C_{13}H_8O_2N_3Br_3$ ω-Bromonitrobenzaldehydedibromophenylhydrazones (CHATTAWAY and WALKER), 1695, 2411.

$C_{13}H_8O_3NBr_3$ *s*-Tribromophenyl *p*-nitrobenzyl ether (HOLMES and INGOLD), 1809.

$C_{13}H_8O_2N_3Cl_3$ β-Nitrobenzoyltrichlorophenylhydrazines (CHATTAWAY and WALKER), 1698.

$C_{13}H_8O_4NCl$ 3-Chloro-2-nitrophenyl benzoate (HODGSON and MOORE), 1601.

$C_{13}H_9O_2NCl_2$ Dichlorophenyl*cyclo*iminotoluquinones (CHATTAWAY and PARKES), 1311.

$C_{13}H_9O_2NBr_2$ 2:4-Dibromophenyl*cyclo*iminotoluquinone (CHATTAWAY and PARKES), 1311.

$C_{13}H_9O_2N_3Cl_2$ ω-Chloronitrobenzaldehydechlorophenylhydrazones (CHATTAWAY and WALKER), 1690.

$C_{13}H_9O_2N_3Br_2$ ω-Bromonitrobenzaldehydebromophenylhydrazones (CHATTAWAY and WALKER), 1695.

$C_{13}H_9O_2N_4Cl_3$ Nitrobenzaldehydetrichlorophenylhydrazidines (CHATTAWAY and WALKER), 1694.

$C_{13}H_9O_3N_3Br_2$ 4:6-Dibromo-3-hydroxybenzaldehyde-*p*-nitrophenylhydrazone (HODGSON and BEARD), 881.

β-Nitrobenzoyldibromophenylhydrazines (CHATTAWAY and WALKER), 1698.

$C_{13}H_9N_2ClBr_2$ ω-Chlorobenzaldehyde-2:4-dibromophenylhydrazone (CHATTAWAY and WALKER), 981.

$C_{13}H_{10}O_2NCl$ *p*-Chlorophenyl*cyclo*iminotoluquinone (CHATTAWAY and PARKES), 1311.

$C_{13}H_{10}O_2NBr$ *p*-Bromophenyl*cyclo*iminotoluquinone (CHATTAWAY and PARKES), 1311.

$C_{13}H_{10}O_2N_4Cl_2$ *m*-Nitrobenzaldehyde-2:4-dichlorophenylhydrazidine, and its hydrochloride (CHATTAWAY and WALKER), 1694.

$C_{13}H_{10}O_2N_4Br_2$ Nitrobenzaldehydedibromophenylhydrazidines, and their hydrochlorides (CHATTAWAY and WALKER), 1697.

$C_{13}H_{10}O_3Cl_2S_2$ 4-Tolyl 2:5-dichlorobenzenethiolsulphonate (GIBSON, MILLER, and SMILES), 1824.

$C_{13}H_{10}O_3N_3Br$ Bromohydroxybenzaldehyde-*p*-nitrophenylhydrazones (HODGSON and BEARD), 881.

$C_{13}H_{10}O_8N_3As$ Dinitrobenzoyl-4-aminophenylarsinic acids (KING and MURCH), 2637.

$C_{13}H_{10}N_2Br_2S$ 1-Anilinobenzthiazole tribromide (HUNTER), 2025.

$C_{13}H_{11}O_2NS_2$ Benzyl 2-nitrophenyl disulphide (FOOTNER and SMILES), 2889.

$C_{13}H_{11}O_2N_4Cl$ *m*-Nitrobenzaldehyde-*p*-chlorophenylhydrazidine (CHATTAWAY and WALKER), 1694.

$C_{13}H_{11}O_2N_4Br$ Nitrobenzaldehydebromophenylhydrazidine, and their hydrochlorides (CHATTAWAY and WALKER), 1697.

$C_{13}H_{11}O_4NS_2$ 2-Nitrophenyl 4-toluenethiolsulphonate (MILLER and SMILES), 229.
4-Tolyl 3-nitrobenzenethiolsulphonate (GIBSON, MILLER, and SMILES), 1822.

$C_{13}H_{11}O_7N_2As$ 3′-Nitro-4′-hydroxybenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2649.

$C_{13}H_{13}O_5N_2As$ 3′-Amino-4′-hydroxybenzoyl-4-aminophenylarsinic acid, and its sodium salt (KING and MURCH), 2650.

$C_{13}H_{13}O_6N_2As$ 3′-Nitro-4′-toluoyl-4-aminophenyl (KING and MURCH), 2639.

$C_{13}H_{14}O_2NBr$ 8-Bromo-5:6-dimethoxy-2:4-dimethylquinoline, and its hydrochloride (LIONS, PERKIN, and ROBINSON), 1165.

$C_{13}H_{14}O_2Cl_2Te$ 4-Benzyl-2-methyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (MORGAN and CORBY), 2618.

$C_{13}H_{14}O_4N_5As$ 3:3′-Diaminobenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2638.

$C_{13}H_{16}O_3NBr$ β-6-Bromo-3:4-dimethoxyanilinopropenyl methyl ketone (LIONS, PERKIN, and ROBINSON), 1164.

$C_{13}H_{17}O_2N_2Br$ Bromomalonmono*iso*propylmono-*p*-tolylamide (WEST), 752.

$C_{13}H_{15}ON_2S$ 2-*m*-Xylidino-5-ethoxy-4:5-dihydrothiazole, and its picrate (NIMKAR and PYMAN), 2746.

$C_{13}H_{20}O_2NBr$ Diethylammonium β-bromo-β-phenylpropionate (SENTER and WARD), 1849.

$C_{13}H_{20}O_2NI$ γ-Piperonylpropyltrimethylammonium iodide (BAKER and ROBINSON), 1429.

13 V

$C_{13}H_7O_2N_3Cl_3Br$ ω-Bromo-*o*-nitrobenzaldehydetrichlorophenylhydrazones (CHATTAWAY and WALKER), 2412.

$C_{13}H_8O_2N_3Cl_2Br$ ω-Bromo-*o*-nitrobenzaldehyde-2:4-dichlorophenylhydrazone (CHATTAWAY and WALKER), 2411.

$C_{13}H_9O_2N_3ClBr$ ω-Bromo-*m*-nitrobenzaldehyde-*p*-chlorophenylhydrazone (CHATTAWAY and WALKER), 1695.

$C_{13}H_9O_8N_3ClAs$ 4′-Chloro-3:3′-dinitrobenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2647.

$C_{13}H_{10}O_6N_2ClAs$ 4′-Chloro-3′-nitrobenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2647.

$C_{13}H_{12}O_4N_2ClAs$ 4′-Chloro-3′-aminobenzoyl-4-aminophenylarsinic acid, and its salts (KING and MURCH), 2647.

$C_{13}H_{12}O_4N_3ClAs$ 4′-Chloro-3:3′-diaminobenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2648.

C_{14} Group.

$C_{14}H_5Cl_9$ Nonochlorophenyltolylmethane (SILBERRAD), 2684.
$C_{14}H_8O_2$ Phenanthraquinone, action of hydrazine hydrate on (DUTT), 2971.
$C_{14}H_{10}O_4$ 2:4-Dihydroxybenzil (MARSH and STEPHEN), 1636.
$C_{14}H_{10}O_5$ 2:4:6-Trihydroxybenzil (MARSH and STEPHEN), 1637.
$C_{14}H_{12}O_6$ Acid, from ethyl dibromocinnamate and ethyl sodiomalonate (HAERDI and THORPE), 1247.
$C_{14}H_{14}O_2$ Methylbenzoin (ROGER), 523.
$C_{14}H_{15}As$ Phenyl-*p*-tolylmethylarsine (HUNT and TURNER), 2668.
$C_{14}H_{16}O_8$ Carbethoxyvanillylsuccinic acid (BAKER and LAPWORTH), 565.
$C_{14}H_{18}O_4$ β-Phenyl-β-methylpropane $\alpha\gamma$-diacetate (MILLS and BAINS), 2504.
$C_{14}H_{20}O_5$ Ethyl 1-methyl*cyclo*hexan-3-one-4-carboxylate-1-acetate (FARMER and ROSS), 2366.
$C_{14}H_{22}O_5$ Ethyl 1-methyl*cyclo*hexan-3-one-4-carboxylate-1-acetate (FARMER and ROSS), 2364.
$C_{14}H_{22}O_9$ $\delta\epsilon$-Dicarbethoxy-δ-hydroxy-$\gamma\gamma$-dimethylpentane-β-carboxylactone (ROTHSTEIN, STEVENSON, and THORPE), 1078.
$C_{14}H_{26}O_2$ *n*-Undecoylacetone, and its copper salt (MORGAN and HOLMES), 2893.
$C_{14}H_{26}O_3$ *l*-Menthyl ethoxyacetate (RULE and SMITH), 2191.

14 III

$C_{14}H_8O_9N_4$ Picryl-3:4-methylenedioxybenz*syn*aldoxime (BRADY and KLEIN), 846.
$C_{14}H_9N_3Br_2$ ω-Cyanobenzaldehyde-2:4-dibromophenylhydrazone (CHATTAWAY and WALKER), 982.
$C_{14}H_{10}O_4N$ Benzoyl-3:4-methylenedioxy-α-benzaldoxime (BRADY and MCHUGH), 2420.
$C_{14}H_{10}O_4N_2$ Benzoylnitro-α-benzaldoximes (BRADY and MCHUGH), 2420.
$C_{14}H_{10}O_5N_2$ 2:4-Dinitro-2′-hydroxystilbene (GULLAND and ROBINSON), 1503.
$C_{14}H_{10}O_6N_2$ 3:5-Dinitro-*o*-tolyl benzoate (GIBSON), 47.
$C_{14}H_{10}O_8N_4$ Picrylmethoxybens*yn*aldoximes (BRADY and KLEIN), 846.
$C_{14}H_{11}O_3N$ Phenyl-4-pyridylpyruvic acid (SINGH), 2448.
$C_{14}H_{11}O_4N$ Nitro-*o*-tolyl benzoates (GIBSON), 46.
$C_{14}H_{11}O_4N_3$ Nitrobenzylidenenitrobenzylamines (INGOLD), 1143.
$C_{14}H_{12}O_3N_4$ Phthalaldehyde 1-oxime-2-*p*-nitrophenylhydrazone (GRIFFITHS and INGOLD), 1705.
$C_{14}H_{13}O_5N_4$ 4-Nitro-3-methoxybenzaldehyde-*p*-nitrophenylhydrazone (HODGSON and BEARD), 881.
$C_{14}H_{12}N_2Cl_2$ Acetophenone-2:4-dichlorophenylhydrazone (HUMPHRIES, HUMBLE, and EVANS), 1306.
$C_{14}H_{12}N_2S$ 4′-Amino-1-methyl-5-methylbenzthiazole, bromination of (HUNTER), 1318.
$C_{14}H_{13}ON_3$ Benzeneazobenzylformaldoxime (WALKER), 1860.
$C_{14}H_{13}OAs$ 10-Ethylphenoxarsine (AESCHLIMANN), 813.
$C_{14}H_{12}O_2N$ *o*-Acetylaminodiphenyl ether (ROBERTS and TURNER), 2008.
o-Tolyl*cyclo*iminotoluquinone (CHATTAWAY and PARKES), 1310.
$C_{14}H_{13}O_2N_3$ Tolualdehyde *p*-nitrophenylhydrazones (STEPHEN), 1877.
$C_{14}H_{13}O_2As$ *o*-Carboxydiphenylmethylarsine (AESCHLIMANN), 812.
10-Ethylphenoxarsine oxide ($+H_2O$) (AESCHLIMANN), 814.
$C_{14}H_{13}O_3As$ *o*-Carboxydiphenylmethylarsine oxide (AESCHLIMANN), 813.
$C_{14}H_{13}O_4N_3$ Dinitrodibenzylamines, and their salts (HOLMES and INGOLD), 1815.
$C_{14}H_{14}ON_2$ 2-Hydroxy-3:3′-dimethylazobenzene (CUMMING and FERRIER), 2377.
$C_{14}H_{14}O_4S_5$ Phenylmethylsulphone *m*-disulphide (TWIST and SMILES), 1251.

$C_{14}H_{14}O_4Te_2$ Bis-2-hydroxy-1-methoxyphenyl 4:4-ditelluride (MORGAN and DREW), 2314.

$C_{14}H_{14}O_6S_4$ Phenylmethylsulphone *m*-disulphoxide (TWIST and SMILES), 1251.

$C_{14}H_{14}IAs$ Diphenylylenedimethylarsonium iodide (AESCHLIMANN, LEES, MCCLELAND, and NICKLIN), 69.

$C_{14}H_{15}ON_3$ Lutidineazoanisole, and its hydrochloride (GULLAND and ROBINSON), 1496.

$C_{14}H_{15}O_3N$ γ-4-Hydroxy-2-methylquinoline-3-butyric acid (PATERSON and PLANT), 1798.

$C_{14}H_{15}O_5N_3$ Acetodinitrodibenzylamides (HOLMES and INGOLD), 1820.

$C_{14}H_{16}O_6S$ Thioindican (CRAIK and MACBETH), 1639.

$C_{14}H_{17}O_2N$ Substance, from dehydroeseretholemethine methiodide and silver oxide (STEDMAN and BARGER), 255.

$C_{14}H_{17}O_4N$ δ-*o*-Acetylaminobenzoylvaleric acid (PATERSON and PLANT), 1798.

$C_{14}H_{17}O_4N_3$ β-Methylpimelic-β-acetic acid (FARMER and ROSS), 2368.

$C_{14}H_{19}ON$ Ethylpentenoic acid *p*-toluidide (KON and LINSTEAD), 622.

$C_{14}H_{19}O_2N$ Etheserolene, picrate of (STEDMAN and BARGER), 257.

5-Ethoxy-1:3-dimethyl-3-ethyl-2-indoline (STEDMAN and BARGER), 251, 255.

$C_{14}H_{19}O_6N$ Ethyl 2-cyano*cyclo*butane-1:2:3-tricarboxylate (ING and PERKIN), 2396.

$C_{14}H_{19}O_{12}N$ Tetra-acetyl glucose 6-nitrate (OLDHAM), 2843.

$C_{14}H_{20}O_2N_2$ Malonmono*iso*butylmono-*p*-tolylamide (WEST), 751.

$C_{14}H_{21}O_2N_3$ *n*-Octaldehyde *p*-nitrophenylhydrazone (STEPHEN), 1875.

$C_{14}H_{23}O_2N$ β-Anilinobutaldehyde diethylacetal (MASON), 1033.

$C_{14}H_{27}ON_3$ Acetone-δ-menthylsemicarbazone (WILSON and CRAWFORD), 106.

14 IV

$C_{14}H_6O_3NBr_3$ 2:3:9-Tribromo-9-nitroanthrone (BARNETT), 2044.

$C_{14}H_8O_4N_2Cl_2$ Dichloro-9:10-dinitro-9:10-dihydroanthracenes (BARNETT), 2042.

$C_{14}H_8N_2Br_4S_2$ 1:1-Bisbenzthiazole tetrabromide (HUNTER), 1320.

$C_{14}H_9O_4N_2Cl_3$ 1:5:9-Trichloro-9:10-dinitro-9:10-dihydroanthracene (BARNETT), 2044.

$C_{14}H_9O_4N_2Br$ 9-Bromo-9:10-dinitro-9:10-dihydroanthracene (BARNETT), 2043.

$C_{14}H_9NIS$ 1-Phenylbenzthiazole methiodide (CLARK), 974.

$C_{14}H_{11}OCl_3Te$ Tellurium phenylbenzylketone trichloride (MORGAN and ELVINS), 2631.

$C_{14}H_{12}O_2Cl_2S_2$ 4-Chloroanisole 2-disulphide (GAUNTLETT and SMILES), 2746.

$C_{14}H_{13}O_3N_3Br$ Bromomethoxybenzaldehyde-*p*-nitrophenylhydrazones (HODGSON and BEARD), 881.

$C_{14}H_{12}O_4Cl_2S_2$ 4-Chloroanisole-2-disulphoxide (GAUNTLETT and SMILES), 2746.

$C_{14}H_{13}O_8N_3As$ 3:3′-Dinitro-4′-toluoyl-4-aminophenylarsinic acid (KING and MURCH), 2640.

$C_{14}H_{12}O_9N_2As$ Dinitro-4′-anisoyl-4-aminophenylarsinic acids (KING and MURCH), 2644.

$C_{14}H_{13}O_3N_2Cl$ Phenylpyridylpyruvic acid oxime hydrochloride (SINGH), 2448.

$C_{14}H_{13}O_5NS$ Nitro-*o*-tolyl toluene-*p*-sulphonates (GIBSON), 47.

$C_{14}H_{13}O_5SAs$ Sulpho-10-ethylphenoxarsine oxide (AESCHLIMANN), 814.

$C_{14}H_{12}O_7N_2As$ 3′-Nitro-4′-anisoyl-4-aminophenylarsinic acid (KING and MURCH), 2641.

$C_{14}H_{15}O_2NS$ *p*-Toluenesulphonbenzylamide (HOLMES and INGOLD), 1812.

$C_{14}H_{15}O_5N_2As$ 3′-Amino-4′-anisoyl-4-aminophenylarsinic acid, and its salts (KING and MURCH), 2642.

$C_{14}H_{15}BrIAs$ *p*-Bromodiphenyldimethylarsonium iodide (HUNT and TURNER), 2670.

$C_{14}H_{16}O_4N_2As$ 3:3'-Diamino-4'-toluoyl-4-aminophenylarsinic acid (KING and MURCH), 2640.

$C_{14}H_{16}N_2Cl_6Sn$ Benzaldehyde stannichloride (STEPHEN), 1876.

$C_{14}H_{19}O_2N_2Br$ Bromomalonmono*iso*butylmono-*p*-tolylamide (WEST), 752.

$C_{14}H_{22}O_2N_2S$ α-Propionacetalylphenylthiocarbamide (BURTLES, PYMAN, and ROYLANCE), 589.

C_{15} Group.

$C_{15}H_{18}$ Tri*cyclo*trimethylenebenzene (PERKIN and PLANT), 1140.

$C_{15}H_{24}$ Hydrocarbon, from cedrene and formic acid (ROBERTSON, KERR, and HENDERSON), 1946.

Hydrocarbon, from formic acid and cadinene (ROBERTSON, KERR, and HENDERSON), 1946.

15 II

$C_{15}H_{10}O_4$ Alizarin 2-methyl ether (KUBOTA and PERKIN), 1893.

$C_{15}H_{10}O_5$ Anthragallol methyl ethers (KUBOTA and PERKIN), 1893.

$C_{15}H_{10}O_6$ Datiscetin, synthesis of (KALFF and ROBINSON), 1968.

$C_{15}H_{11}N$ α-Acenaphthaquinoline, and its picrate (STEWART), 1331.

$C_{15}H_{12}O_2$ Phenyl benzyl diketone (MALKIN and ROBINSON), 369.

$C_{15}H_{12}O_3$ Hydroxymethoxyanthrones (MILLER and PERKIN), 2688.

$C_{15}H_{12}O_5$ Dihydroxymethoxybenzils (MARSH and STEPHENS), 1636.

$C_{15}H_{12}O_6$ Trihydroxymethoxybenzils (MARSH and STEPHEN), 1637.

$C_{15}H_{13}N$ 1-Methyl-2-methylene-1:2-dihydro-β-naphthaquinoline (MILLS and RAPER), 2472.

$C_{15}H_{14}O_3$ α-Benzylmandelic acid (MALKIN and ROBINSON), 374.

$C_{15}H_{14}O_4$ Benzylphloracetophenone (BAKER), 2355.

$C_{15}H_{14}O_5$ Dihydroxyphenyl β-dihydroxyphenylethyl ketones (CHAPMAN and STEPHEN), 891.

Ethyl α-acetyl-γ-hydroxy-γ-phenyl-Δ^{β}-propenecarboxylactone (R. M. and J. N. RÂY), 2722.

$C_{15}H_{16}O_4$ Lactone, from ethyl sodioethylmalonate and phenacyl bromide (R. M. and J. N. RÂY), 2723.

$C_{15}H_{17}N$ Dibenzylmethylamine, and its hydrochloride (HOLMES and INGOLD), 1816.

$C_{15}H_{18}O_5$ Methyl 2-ethoxy-3-phenyl*cyclo*propane-1:2-dicarboxylate (HAERDI and THORPE), 1243.

$C_{15}H_{20}O_2$ 2-Hydroxystyryl *n*-hexyl ketone (McGOOKIN and SINCLAIR), 2543.

$C_{15}H_{22}O_3$ Ngaione (McDOWALL), 2202.

$C_{15}H_{22}O_7$ Ethyl 2-acetyl*cyclo*butane-1:2:3-tricarboxylate (ING and PERKIN), 2397.

$C_{15}H_{24}O_3$ Ngaiol (McDOWALL), 2205.

$C_{15}H_{28}O_2$ Lauroylacetone, and its copper salt (MORGAN and HOLMES), 2894.

$C_{15}H_{28}O_8$ Diacetalmalonic acid, and its barium salt (PERKIN and PINK), 192.

$C_{15}H_{30}O_8$ Hexamethyl glycerol glucoside (GILCHRIST and PURVES), 2740.

15 III

$C_{15}H_9O_4N$ α-Naphthaquinoline-6:7-dicarboxylic acid (STEWART), 1331.

$C_{15}H_9NS$ 9-Anthryl thiocyanate (FOOTNER and SMILES), 2890.

$C_{15}H_{10}O_3N_2$ Anhydro-2-aldehydoterephthalic acid phenylhydrazone (PERKIN and STONE), 2294.

$C_{15}H_{10}O_4N_2$ 3-Nitrophthal-*p*-tolil (BRADY, QUICK, and WELLING), 2267.

$C_{15}H_{10}O_6N_2$ 2:4-Dinitro-3':4'-methylenedioxystilbene (GULLAND and ROBINSON), 1502.

$C_{15}H_{10}O_7N_4$ Picrylcinnam*syn*aldoxime (BRADY and KLEIN), 847.

$C_{15}H_{11}O_3Cl$ Chrysinidin chloride ($+2H_2O$) (PRATT and ROBINSON), 1132.
$C_{15}H_{11}O_4Cl$ Apigeninidin chloride ($+2H_2O$) (PRATT and ROBINSON), 1133.
Galanginidin chloride (PRATT and ROBINSON), 1135; (MALKIN and ROBINSON), 1193.
$C_{15}H_{11}O_4I$ Galanginidin iodide (PRATT and ROBINSON), 1135.
$C_{15}H_{11}O_5Cl$ Datiscetinidin chloride ($+H_2O$) (PRATT and ROBINSON), 1185.
Fisetinidin chloride ($+\frac{1}{2}H_2O$) (PRATT and ROBINSON), 1136.
Lotoflavinidin chloride ($+2H_2O$) (PRATT and ROBINSON), 1134.
Luteolinidin chloride ($+2H_2O$) (PRATT and ROBINSON), 1135.
Pelargonidin chloride ($+H_2O$) (MALKIN and ROBINSON), 1194.
3:5:7:3′-Tetrahydroxyflavylium chloride (PRATT and ROBINSON), 1186.
$C_{15}H_{11}O_5N_3$ 4-Aldehydo-1:2-hydroxyphthalide *p*-nitrophenylhydrazone (PERKIN and STONE), 2293.
$C_{15}H_{11}O_6Cl$ Cyanidin chloride ($+H_2O$) (PRATT and ROBINSON), 172.
Morinidin chloride ($+2H_2O$) (PRATT and ROBINSON), 1137.
$C_{15}H_{11}O_7Cl$ Delphinidin chloride (PRATT and ROBINSON), 174, 1190.
$C_{15}H_{12}O_2N_2$ 4-Aldehydo-1:2-phthalide phenylhydrazone (PERKIN and STONE), 2290.
$C_{15}H_{12}O_4N_2$ 4-Aldehydophthalic acid phenylhydrazone (PERKIN and STONE), 2295.
Carbanilino-3:4-methylenedioxybenzaldoximes (BRADY and MCHUGH), 2424.
4-Nitro-2-amino-3′:4′-methylenedioxystilbene (GULLAND and ROBINSON), 1502.
$C_{15}H_{12}O_5N_2$ Phthal-2-nitro-*p*-toluidic acid (BRADY, QUICK, and WELLING), 2267.
$C_{15}H_{12}O_6N_2$ 2:4-Dinitro-3′-methoxy-4′-hydroxystilbene (GULLAND and ROBINSON), 1503.
$C_{15}H_{12}O_{10}N_2$ Trimethylene glycol bis-2:4-dinitrophenyl ether (FAIRBOURNE and FOSTER), 2762.
$C_{15}H_{13}O_2N$ Benzilmonoxime methyl ethers (BRADY and PERRY), 2876.
$C_{15}H_{13}O_3N$ Anisylidene-*p*-aminobenzoic acid (WAYNE and COHEN), 460.
Benzoyl-*o*-methoxy-α-benzaldoxime (BRADY and MCHUGH), 2421.
Phthalobenzylamic acid (HOLMES and INGOLD), 1810.
$C_{15}H_{13}O_7N_5$ Picryl-*p*-dimethylaminobenz*syn*aldoxime (BRADY and KLEIN), 847.
$C_{15}H_{14}O_3N_2$ Carbanilino-*o*-methoxy-α-benzaldoxime (BRADY and MCHUGH), 2425.
$C_{15}H_{14}N_2S$ 1-*m*-Toluidino-*m*-toluthiazole (HUNTER), 2027.
$C_{15}H_{15}ON_3$ Phenylpyruvic acid oxime (WALKER), 1862.
$C_{15}H_{15}O_2N_3$ Benzoinsemicarbazone (HOPPER), 1285.
p-Tolylacetaldehyde *p*-nitrophenylhydrazone (STEPHEN), 1877.
$C_{15}H_{15}O_4N_3$ Dinitrodibenzylmethylamines, and their hydrochlorides (HOLMES and INGOLD), 1817.
$C_{15}H_{17}ON$ β-Amino-αα-diphenyl-*n*-propyl alcohol (MCKENZIE and WILLS), 288.
$C_{15}H_{17}O_2N$ Benzylnorhydrohydrastinine, and its salts (HAWORTH, PERKIN, and PINK), 1721.
$C_{15}H_{18}O_4Br_2$ Ethyl αα′-dibromo-β-phenylglutarate (HAERDI and THORPE), 1241.
$C_{15}H_{18}IAs$ Phenyl-*p*-tolyldimethylarsonium iodide (HUNT and TURNER), 2668.
$C_{15}H_{19}O_7N_5$ Trinitroeserethole (STEDMAN and BARGER), 256.
$C_{15}H_{20}O_2N_2$ Substance, and its salts, from oxidation of eserethole (STEDMAN and BARGER), 256.
$C_{15}H_{20}O_5N_2$ 6-Nitro-1-acetyl-5:8-dimethoxy-2:4-dimethyl-1:2:3:4-tetrahydroquinoline (LIONS, PERKIN, and ROBINSON), 1163.
$C_{15}H_{21}O_2N_3$ Eserine (STEDMAN and BARGER), 247.
$C_{15}H_{21}O_3N$ Acetyl derivatives of dimethoxydimethyltetrahydroquinolines (LIONS, PERKIN, and ROBINSON), 1163.

$C_{15}H_{23}O_3N$ Ngaione oxime (McDowall), 2204.
$C_{15}H_{23}O_4N$ Veratrylideneaminoacetal (Forsyth, Kelly, and Pyman), 1665.
$C_{15}H_{25}O_4N$ Veratrylaminoacetal (Forsyth, Kelly, and Pyman), 1665.
$C_{15}H_{26}O_2Te$ 2-*n*-Decyl*cyclo*telluropentane-3:5-dione (Morgan and Taylor), 2620.

15 IV

$C_{15}H_7O_2NCl_4$ Tetrachlorophthal-*p*-tolil (Brady, Quick, and Welling), 2267.
$C_{15}H_9ONCl_6$ 2:4-Di(trichloromethyl)benzanilide (Perkin and Stone), 2296.
$C_{15}H_{10}O_3N_3Cl_3$ Acetyl-*m*-nitrobenzaldehydetrichlorophenylhydrazone (Chattaway and Walker), 1697.
$C_{15}H_{10}O_3N_3Br_3$ Acetyl-*m*-nitrobenzaldehydetribromophenylhydrazone (Chattaway and Walker), 1697.
$C_{15}H_{10}O_4N_3Cl_3$ α-Acetyl-β-nitrobenzoyltrichlorophenylhydrazines (Chattaway and Walker), 1693.
$C_{15}H_{10}O_4N_3Br_3$ α-Acetyl-β-nitrobenzoyltribromophenylhydrazine (Chattaway and Walker), 1696.
$C_{15}H_{11}ONCl_4$ 2:4-Di(dichloromethyl)benzanilide (Perkin and Stone), 2291.
$C_{15}H_{11}O_4N_3Cl_2$ α-Acetyl-β-nitrobenzoylchlorophenylhydrazines (Chattaway and Walker), 1693.
$C_{15}H_{11}O_4N_3Br_2$ α-Acetyl-β-nitrobenzoyldibromophenylhydrazines (Chattaway and Walker), 1696.
$C_{15}H_{12}O_4N_3Cl$ α-Acetyl-β-*p*-nitrobenzoyl-*p*-chlorophenylhydrazine (Chattaway and Walker), 1693.
$C_{15}H_{12}O_4N_3Br$ α-Acetyl-β-nitrobenzoylbromophenylhydrazines (Chattaway and Walker), 1696.
$C_{15}H_{12}N_2Br_2S$ Dibromo-1-toluidinomethylbenzthiazoles, and their salts (Hunter), 2026.
$C_{15}H_{14}N_2Br_4S$ 1-*p*-Toluidino-5-methylbenzthiazole tetrabromide (Hunter), 2027.
$C_{15}H_{14}N_2Br_6S$ 1-*o*-Toluidino-3-methylbenzthiazole hexabromide (Hunter), 2026.
$C_{15}H_{14}O_9N_2As$ Dinitro-4′-ethoxybenzoyl-4-aminophenylarsinic acids (King and Murch), 2646.
$C_{15}H_{15}O_6N_2As$ 3′-Acetylamino-4′-hydroxybenzoyl-4-aminophenylarsinic acid (King and Murch), 2651.
$C_{15}H_{15}O_7N_2As$ 3′-Nitro-4′-ethoxybenzoyl-4-aminophenylarsinic acid (King and Murch), 2646.
$C_{15}H_{15}N_2Br_7S$ 1-*m*-Toluidino-*m*-toluthiazole hexabromide hydrobromide (Hunter), 2027.
$C_{15}H_{16}OIAs$ 10-Methyl-10-ethylphenoxarsonium iodide (Aeschlimann), 814.
$C_{15}H_{17}O_2NS$ *p*-Toluenesulphonbenzylmethylamide (Holmes and Ingold), 1813.
$C_{15}H_{17}O_5N_2As$ 3′-Amino-4′-ethoxybenzoyl-4-aminophenylarsinic acid, and its salts (King and Murch), 2646.
$C_{15}H_{26}O_2Cl_2Te$ 2-*n*-Decyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (Morgan and Taylor), 2620.

C_{16} Group.

$C_{16}H_{16}$ αγ-Diphenyl-γ-methyl-Δ^{α}-propene (Trotman), 92.
$C_{16}H_{18}$ αγ-Diphenyl-β-methylpropane (Trotman), 93.

16 II

$C_{16}H_{10}N_2$ 1:6-Naphthadiquinoline (Armit and Robinson), 1614.
$C_{16}H_{12}O_3$ 7-Hydroxy-4-benzylcoumarin (Baker and Robinson), 1984.
7-Hydroxy-2-methyl*iso*flavone (Baker and Robinson), 1984.
7-Methoxy*iso*flavone (Baker and Robinson), 1986.

$C_{16}H_{12}O_4$ 5:7-Dihydroxy-2-methyl*iso*flavone (BAKER and ROBINSON), 1984.
7:8-Dihydroxy-3-phenyl-2-methylbenzo-γ-pyrone (BAKER), 2357.
$C_{16}H_{12}O_5$ Anthrapurpurin dimethyl ether (MILLER and PERKIN), 2690.
Galangin methyl ether (KALFF and ROBINSON), 182.
$C_{16}H_{12}O_7$ Quercetin methyl ether, and its potassium salt (KUBOTA and PERKIN), 1894.
$C_{16}H_{14}O_3$ 4-Methoxyphenyl benzyl diketone (MALKIN and ROBINSON), 375.
Phenyl 4-methoxybenzyl diketone (MALKIN and ROBINSON), 374.
$C_{16}H_{14}O_5$ Homopiperonylresacetophenone (BAKER and ROBINSON), 1430.
$C_{16}H_{16}O_2$ Benzylorcacetophenone (BAKER), 2356.
$C_{16}H_{16}O_4$ Methoxybenzylmandelic acids (MALKIN and ROBINSON), 376.
$C_{16}H_{17}N$ 1-Benzyl-1:2:3:4-tetrahydro*iso*quinoline, and its salts (FORSYTH, KELLY, and PYMAN), 1664.
$C_{16}H_{17}Br$ β-Bromo-α-phenyl-β-benzylpropane (TROTMAN), 92.
$C_{16}H_{18}O$ Dibenzylmethylcarbinol (TROTMAN), 92.
$C_{16}H_{18}O_2$ α-Hydroxy-β-methoxy-αγ-diphenylpropane (MALKIN and ROBINSON), 377.
$C_{16}H_{18}O_4$ Lactone, from ethyl sodio*iso*propylmalonate and phenacyl bromide (R. M. and J. N. RÂY), 2723.
$C_{16}H_{18}O_6$ Ethyl β-methylpimelate-β-acetate (FARMER and ROSS), 2363.
$C_{16}H_{19}As$ Phenylmesitylmethylarsine (HUNT and TURNER), 2669.
$C_{16}H_{20}N_2$ Diphenyl-βγ-diamino-*n*-butanes (MORGAN and SKINNER), 1734.
$C_{16}H_{24}O_8$ Ethyl *cyclo*butane-1:2:2:3-tetracarboxylate (ING and PERKIN), 2394.
$C_{16}H_{26}O_2$ Caryophyllene formate (ROBERTSON, KERR, and HENDERSON), 1945.
Ngaiol acetate (MCDOWALL), 2205.
$C_{16}H_{26}O_3$ Ngaiol methyl ether (MCDOWALL), 2206.
$C_{16}H_{30}O_2$ *n*-Tridecoylacetone, and its copper salt (MORGAN and HOLMES), 2894.
$C_{16}H_{30}O_3$ 4-Ketopalmitic acid (G. M. and R. ROBINSON), 180.
$C_{16}H_{32}O_2$ Palmitic acid, sodium salt, equilibria of, with water and sodium chloride (MCBAIN and LANGDON), 852.

16 III

$C_{16}H_{12}O_3N_2$ 6′-Aminopiperonylideneoxindole (ARMIT and ROBINSON), 1612.
$C_{16}H_{13}Cl_3As$ αα′-Dichlorodistyrylchloroarsine (HUNT and TURNER), 998.
$C_{16}H_{13}ON_2$ 2-Styryl-1-methyl-4-quinazolone (HEILBRON, KITCHEN, PARKES, and SUTTON), 2172.
$C_{16}H_{13}O_2N_3$ 2:3-Dimethoxyindophenazine, and its salts (ARMIT and ROBINSON), 1615.
$C_{16}H_{13}O_2Cl$ 5:7-Dihydroxy-2-phenyl-4-methylbenzopyrylium chloride, and its ferrichloride (WALKER and HEILBRON), 687.
$C_{16}H_{13}O_4Cl$ Galanginidin chloride 3-methyl ether (+H_2O) (MALKIN and ROBINSON), 1192.
$C_{16}H_{13}O_8N_3$ 2:4:6-Trinitro-3′:4′-dimethoxystilbene (GULLAND and ROBINSON), 1503.
$C_{16}H_{14}O_2Br_2$ Phenyl αβ-dibromo-α-methoxy-β-phenylethyl ketone (MALKIN and ROBINSON), 372.
$C_{16}H_{14}O_6N_2$ Dinitrodimethoxystilbenes (GULLAND and ROBINSON), 1502.
$C_{16}H_{14}O_7N_2$ Benzoyl derivative of trimethylene glycol monodinitrophenyl ether (FAIRBOURNE and FOSTER), 2762.
$C_{16}H_{15}O_2N$ Ethyl phenyl-4-pyridylpyruvate (SINGH), 2448.
$C_{16}H_{16}O_2N_2$ Benzildioxime dimethyl ethers (BRADY and PERRY), 2879.
Benzoyl-*p*-dimethylamino-α-benzaldoxime (BRADY and MCHUGH), 2421.
p-Dimethylaminobenzylidene-*p*-aminobenzoic acid (WAYNE and COHEN), 460.
Phenylpyruvic acid *p*-tolylhydrazone (WALKER), 1862.

$C_{16}H_{16}O_4N_2$ 2-Nitro-4-amino-2′:3′-dimethoxystilbene (GULLAND and ROBINSON), 1502.

$C_{16}H_{17}ON$ Acetodibenzylamide (HOLMES and INGOLD), 1819.

$C_{16}H_{17}O_2N$ *p*-Dimethylaminodiphenylacetic acid (SINGH), 2447.

$C_{16}H_{17}O_3N$ *p*-Dimethylaminobenzilic acid (SINGH), 2447.

$C_{16}H_{18}O_2Te_2$ Bis-*p*-phenetyl ditelluride (MORGAN and DREW), 2311.

$C_{16}H_{18}O_4Te_2$ Bis-1:3-dimethoxyphenyl 4:4-ditelluride (MORGAN and DREW), 2313.

$C_{16}H_{19}O_4N$ Divanillylamine, and its hydrochloride (JONES and PYMAN), 2596.

$C_{16}H_{20}O_4N_2$ Ethyl β-carbethoxy-γ-benzeneazo-Δβ-pentenoate (MACBETH and TRAILL), 1120.

$C_{16}H_{21}O_4N$ Ethyl *p*-dimethylaminobenzylidenemalonate (WAYNE and COHEN), 459.

$C_{16}H_{25}O_3N_3$ Ngaione semicarbazone (McDOWALL), 2204.

$C_{16}H_{27}O_3N$ β-*p*-Ethoxyanilinobutaldehyde diethylacetal (MASON), 1034.

$C_{16}H_{32}N_2S$ γγ′-Dipiperidinodipropyl sulphide, and its picrate (BENNETT and HOCK), 2676.

16 IV

$C_{16}H_{10}OClAs$ 7-Chloro-αβ-naphthaphenoxarsine (AESCHLIMANN), 814.

$C_{16}H_{15}O_5N_2As$ 3′-Nitro-4′-ethylcarbonatobenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2649.

$C_{16}H_{16}O_3BrAs$ 10-Carboxymethyl-10-ethylphenoxarsonium bromide (AESCHLIMANN), 814.

$C_{16}H_{17}O_3N_2Cl$ Anisylideneazine hydrochloride, and its reaction with stannic chloride (SHOESMITH and SLATER), 1490.

$C_{16}H_{17}O_4NS$ Toluene-*p*-sulphonylbenzylaminoacetic acid (CLEMO and PERKIN), 2307.

$C_{16}H_{17}O_6N_2As$ 3′-Acetylamino-4′-anisoyl-4-aminophenylarsinic acid (KING and MURCH), 2642.

$C_{16}H_{18}OIAs$ 10:10-Diethylphenoxarsonium iodide (AESCHLIMANN), 814.

$C_{16}H_{18}O_2Cl_2Te$ Bis-*p*-phenetyltelluridichloride (MORGAN and DREW), 2312.

$C_{16}H_{18}O_4Cl_2Te$ Bis-1:3-dimethoxyphenyl-4-telluridichloride (MORGAN and DREW), 2313.

$C_{16}H_{25}O_2N_3S$ Ngaione thiosemicarbazone, and its silver salt (McDOWALL), 2203.

C_{17} Group.

$C_{17}H_{20}$ α-Phenyl-β-benzyl-β-methylpropane (TROTMAN), 94.

17 II

$C_{17}H_{10}O_5$ *iso*Benzalizarin (MILLER and PERKIN), 2690.

$C_{17}H_{12}O_4$ 3:7-Dihydroxy-2-styrylchromone (ROBINSON and SHINODA), 1975.

$C_{17}H_{12}O_5$ 3:5:7-Trihydroxy-2-styrylchromone (ROBINSON and SHINODA), 1977.

$C_{17}H_{14}O_3$ 7-Hydroxy-2-methyl*iso*flavone methyl ether (BAKER and ROBINSON), 1984.

$C_{17}H_{14}O_4$ Dihydroxy-3-benzyl-2-methylbenzo-γ-pyrones (BAKER), 2355.

3:7-Dihydroxy-2-β-phenylethylchromone (ROBINSON and SHINODA), 1977.

$C_{17}H_{14}O_6$ 3:4′-Dimethoxy-5:7-dihydroxyflavone (ROBINSON and SHINODA), 1980.

$C_{17}H_{16}O_2$ Benzylbenzoylacetone (TROTMAN), 94.

$C_{17}H_{16}O_3$ 4-Methoxyphenyl β-methoxystyryl ketone (MALKIN and ROBINSON), 375.

Phenyl β:4-dimethoxystyryl ketone (MALKIN and ROBINSON), 374.

$C_{17}H_{16}O_4$ Benzoylveratroylmethane, and its copper salt (GULLAND and ROBINSON), 1501.

4-Methoxyphenyl 4-methoxybenzyl diketone (MALKIN and ROBINSON), 375.

$C_{17}H_{16}O_5$ Homopiperonylpaeanol (BAKER and ROBINSON), 1430.
$C_{17}H_{16}O_7$ 2:4-Dihydroxy-3′:4′:5′-trimethoxybenzil (MARSH and STEPHEN), 1637.
$C_{17}H_{16}O_8$ 2:4:6-Trihydroxy-3′:4′:5′-trimethoxybenzil (MARSH and STEPHEN), 1637.
$C_{17}H_{18}O$ *as*-Dibenzylacetone (MILLS and AKERS), 2477.
$C_{17}H_{18}O_5$ 4:4′-Dimethoxy-α-benzylmandelic acid (MALKIN and ROBINSON), 377.
Homoveratrylresacetophenone (BAKER and ROBINSON), 1433.
$C_{17}H_{19}N$ 2-β-Phenylethyl-1:2:3:4-tetrahydro*iso*quinoline, and its hydrochloride (HAWORTH, PERKIN, and PINK), 1716.
$C_{17}H_{22}O_5$ Ethyl 2-ethoxy-3-phenyl*cyclo*propane-1:2-dicarboxylate (HAERDI and THORPE), 1243.
$C_{17}H_{22}N_2$ Di(β-phenylethylamino)methane (SHORT), 271.
$C_{17}H_{32}O_2$ Myristoylacetone, and its copper salt (MORGAN and HOLMES), 2894.
$C_{17}H_{32}O_3$ Ethyl 2-acetyl-*n*-tridecoate (G. M. and R. ROBINSON), 179.

17 III

$C_{17}H_{12}O_2N_2$ 10:11-Anhydro-7:8-methylenedioxyquinindoline 10-methohydroxide (ARMIT and ROBINSON), 1613.
$C_{17}H_{13}ON$ Oxy*iso*protoberberine (HAWORTH, PERKIN, and PINK), 1717.
$C_{17}H_{13}O_2N_3$ α-Naphthaldehyde *p*-nitrophenylhydrazone (STEPHEN), 1877.
$C_{17}H_{13}O_3N$ Coumarincarboxylic acid *p*-toluidide (WAYNE and COHEN), 457.
$C_{17}H_{13}O_6N_3$ Acetyl-4-aldehydo-1:2-hydroxyphthalide *p*-nitrophenylhydrazone (PERKIN and STONE), 2293.
$C_{17}H_{15}ON$ 3-Benzylidene-4-keto-6-methyl-1:2:3:4-tetrahydroquinoline (CLEMO and PERKIN), 2305.
$C_{17}H_{15}O_2N$ 2-β-Phenylethylhomophthalimide (HAWORTH, PERKIN, and PINK), 1715.
$C_{17}H_{18}O_2N_2$ Malonmonobenzylmono-*p*-tolylamide (WEST), 751.
$C_{17}H_{15}O_2N_3$ 2:3-Dimethoxy-5(or 11)-methyl*iso*indophenazine (ARMIT and ROBINSON), 1616.
$C_{17}H_{15}O_5Cl$ Datiscetinidin chloride 3:2′-dimethyl ether (PRATT and ROBINSON), 1185.
5:7-Dihydroxy-3:3′-dimethoxyflavylium chloride ($+H_2O$) (PRATT and ROBINSON), 1186.
Pelargonidin chloride 3:4′-dimethyl ether (MALKIN and ROBINSON), 1194.
Pelargonidin chloride 3:3′-dimethyl ether (PRATT and ROBINSON), 1187.
$C_{17}H_{17}ON$ 2-β-Phenylethyl-3:4-dihydro-1-*iso*quinolone (HAWORTH, PERKIN, and PINK), 1715.
$C_{17}H_{17}ON_3$ 2-Benzyl-1-hydrindone semicarbazone (MILLS and AKERS), 2478.
$C_{17}H_{17}O_3N$ *N*-β-Phenylethylhomophthalamic acid (HAWORTH, PERKIN, and PINK), 1716.
$C_{17}H_{17}O_3N_3$ Benzylidene-δ-3-carbethoxyphenylsemicarbazide (WILSON and CRAWFORD), 107.
2:3-Dimethoxy-5(or 11)-methyl*iso*indophenazine methohydroxide (ARMIT and ROBINSON), 1616.
$C_{17}H_{18}O_4N_2$ Nitro-3-methoxy-2-ethoxybenzylidene-*p*-toluidines (RUBENSTEIN), 2268.
$C_{17}H_{20}ON_2$ β-*o*-Toluidinopropiono-*o*-toluidide (CLEMO and PERKIN), 2303.
$C_{17}H_{21}O_5N$ Carboxycamphoranilic acids, and their molecular rotation (M. and R. SINGH), 1966.
$C_{17}H_{22}IAs$ Phenylmesityldimethylarsonium iodide (HUNT and TURNER), 2669.
$C_{17}H_{23}O_2N$ Benzoylmenthoneoximes (READ and COOK), 2786.
$C_{17}H_{24}O_4N_2$ 6-Acetylamino-1-acetyl-5:8-dimethoxy-2:4-dimethyl-1:2:3:4-tetrahydroquinoline (LIONS, PERKIN, and ROBINSON), 1163.
$C_{17}H_{26}O_3S_2$ Ngaiol methyl xanthate (MCDOWALL), 2205.

17 IV

$C_{17}H_{14}ONBr$ 3-Benzylidene-4-keto-6-methyl-1:2:3:4-tetrahydroquinoline bromide (CLEMO and PERKIN), 2305.

$C_{17}H_{14}O_2Cl_5Fe$ 3-Chloro-8-ethoxy-2-phenylbenzopyrylium ferrichloride (RIDGWAY and ROBINSON), 767.

$C_{17}H_{15}O_4SAs$ Sulphophenyl-*α*-naphthylmethylarsine oxide (AESCHLIMANN), 813.

$C_{17}H_{17}O_2N_2Br$ Bromomalonmonobenzylmono-*p*-tolylamide (WEST), 751.

Bromomalon-*p*-toluidide (WEST), 752.

$C_{17}H_{17}O_3NS$ Toluene-*p*-sulphonyl-4-ketomethyl-1:2:3:4-quinolines (CLEMO and PERKIN), 2303.

$C_{17}H_{17}O_4NS$ Toluene-*p*-sulphonyl-6-methoxy-4-keto-1:2:3:4-tetrahydroquinoline (CLEMO and PERKIN), 2305.

$C_{17}H_{17}O_7N_2As$ 3′-Acetylamino-4′-acetoxybenzoyl-4-aminophenylarsinic acid (KING and MURCH), 2651.

$C_{17}H_{19}O_4NS$ Toluene-*p*-sulphonyl-*β*-toluidinopropionic acids (CLEMO and PERKIN), 2302.

$C_{17}H_{19}O_5NS$ Toluene-*p*-sulphonyl-*β*-*p*-anisidinopropionic acid (CLEMO and PERKIN), 2305.

$C_{17}H_{19}O_7N_2As$ 3′-Carbethoxyamino-4′-anisoyl-4-aminophenylarsinic acid (KING and MURCH), 2642.

$C_{17}H_{27}O_2N_2I$ Dehydroeseretholemethine methiodide (STEDMAN and BARGER), 254.

17 V

$C_{17}H_{10}O_3NBrS$ Colouring matter, from isatin and 4-bromo-2-carboxy-5-methoxyphenylthiolacetic acid (GRIFFITH and HOPE), 995.

$C_{17}H_{16}O_3NClS$ Toluene-*p*-sulphonyl-3-chloro-4-ketomethyl-1:2:3:4-tetrahydroquinolines (CLEMO and PERKIN), 2304.

Toluene-*p*-sulphonyl-3-chloro-6-methoxydihydroquinoline (CLEMO and PERKIN), 2306.

C_{18} Group.

$C_{18}H_{12}O_3$ *n*- and *iso*-Benzalizarin methyl ethers (MILLER and PERKIN), 2689.

$C_{18}H_{12}O_7$ Diacetylanthragallol (KUBOTA and PERKIN), 1893.

$C_{18}H_{14}O_3$ *r*-Phenyl-*α*-naphthylglycollic acid, conversion of, into ketones, and its silver salt (MCKENZIE and TATTERSALL), 2522.

$C_{18}H_{14}O_4$ 7-Hydroxy-3-methoxy-2-styrylchromone (ROBINSON and SHINODA), 1975.

Acetyl derivative of 7-hydroxy-2-methyl*iso*flavone (BAKER and ROBINSON), 1984.

$C_{18}H_{14}O_5$ 7-Hydroxy-3-homopiperonyl-2-methylchromone (BAKER and ROBINSON), 1431.

3-Methoxy-5:7-dihydroxy-2-styrylchromone (ROBINSON and SHINODA), 1977.

$C_{18}H_{14}O_6$ 2:4-Diacetoxybenzil (MARSH and STEVEN), 1636.

$C_{18}H_{16}O_4$ 7-Hydroxy-3-methoxy-2-*β*-phenylethylchromone (ROBINSON and SHINODA), 1976.

$C_{18}H_{16}O_6$ 3:7:2′-Trimethoxy-5-hydroxyflavone (KALFF and ROBINSON), 1971.

$C_{18}H_{16}N_4$ 10:15-Diamino-1:8-dimethyldibenzocopyrine, and its hydrochloride (GULLAND and ROBINSON), 1500.

$C_{18}H_{18}O_3$ *β*-Phenylpropionic anhydride (ROBINSON and SHINODA), 1976.

$C_{18}H_{18}O_4$ 4-Methoxyphenyl *β*:4-dimethoxystyryl ketone (MALKIN and ROBINSON), 375.

$C_{18}H_{18}O_5$ 4:4′-Dicarboxy-3:3′-dimethyldibenzyl ether (PERKIN and STONE), 2286.

$C_{18}H_{20}O_5$ Camphoryl hydrogen phthalates (FORSTER and SHUKLA), 1859.

$C_{18}H_{32}O_{10}$ Di(trimethyl glucosan) (IRVINE and OLDHAM), 2919.

$C_{18}H_{34}O_2$ Oleic acid, synthesis of (G. M. and R. Robinson), 175; oxidation of (Lapworth and Mottram), 1628, 1987.

n-Pentadecoylacetone, and its copper salt (Morgan and Holmes), 2894.

$C_{18}H_{34}O_3$ Lactarinic acid (G. M. and R. Robinson), 179.

$C_{18}H_{36}O_4$ Dihydroxystearic acid, oxidation of (Lapworth and Mottram), 1987.

18 III

$C_{18}H_{11}O_5N$ 6:7:3′:4′-Bismethylenedioxy-9-ketoprotopapaverine, and its salts (Buck, Perkin, and Stevens), 1470.

$C_{18}H_{12}OCl_2$ Phenyl-α-naphthylchloroacetyl chloride (McKenzie and Tattersall), 2526.

$C_{18}H_{12}O_5N_2$ Oxime of 6:7:3′:4′-bismethylenedioxy-9-ketoprotopapaverine (Buck, Perkin, and Stevens), 1471.

$C_{18}H_{13}OCl$ Phenyl-α-naphthylacetyl chloride (McKenzie and Tattersall), 2527.

$C_{18}H_{13}O_3N$ 2:3-Methylenedioxyoxyprotoberberines (Haworth, Perkin, and Pink), 1718.

$C_{18}H_{13}O_4N$ 6:7:3′:4′-Bismethylenedioxyprotopapaverine, synthesis of, and its picrate (Buck, Perkin, and Stevens), 1462.

$C_{18}H_{13}O_5N$ 6:7:3′:4′-Bismethylenedioxy-9-hydroxyprotopapaverine (Buck, Perkin, and Stevens), 1471.

6:7:3′:4′-Bismethylenedioxy-9-keto-3:4-dihydroprotopapaverine, and its salts (Buck, Perkin, and Stevens), 1470.

$C_{18}H_{14}O_5N_2$ Oxime of 6:7:3′:4′-bismethylenedioxy-9-keto-3:4-dihydroprotopapaverine (Buck, Perkin, and Stevens), 1470.

$C_{18}H_{15}O_2N$ 2:3-Methylenedioxydihydroprotoberberine, and its salts (Haworth, Perkin, and Pink), 1722.

$C_{18}H_{15}O_3Cl$ 4′:7-Dihydroxy-2-styryl-4-methylbenzopyrylium chloride (Heilbron, Walker, and Buck), 692.

$C_{18}H_{15}O_3N$ 2:3-Methylenedioxyoxydihydro*iso*protoberberine (Haworth, Perkin, and Pink), 1719.

$C_{18}H_{15}O_4N$ 6:7:3′:4′-Bismethylenedioxy-3:4-dihydroprotopapaverine, and its picrate (Buck, Perkin, and Stevens), 1466.

2-Homopiperonylhomophthalimide (Haworth, Perkin, and Pink), 1717.

$C_{18}H_{15}O_4Cl$ 3′:4′:7-Trihydroxy-2-styryl-4-methylbenzopyrylium chloride (Heilbron, Walker, and Buck), 693.

$C_{18}H_{15}O_5N$ Nitro-3′:4′-dimethoxy-2-benzylidene-1-hydrindone (Lions, Perkin, and Robinson), 1168.

$C_{18}H_{15}BrGe$ Triphenylgermanium bromide (Morgan and Drew), 1763.

$C_{18}H_{16}O_2N_2$ 4′-Methoxy-2-styryl-3-methyl-4-quinazolone (Heilbron, Kitchen, Parkes, and Sutton), 2171.

$C_{18}H_{16}O_2S_2$ 2:4-Xylyl 2-naphthalenethiolsulphonate (Gibson, Miller, and Smiles), 1824.

$C_{18}H_{16}O_3S_2$ 6-Methoxy-3-tolyl 2-naphthalenethiolsulphonate (Gibson, Miller, and Smiles), 1824.

$C_{18}H_{17}O_2N$ 2:3-Methylenedioxytetrahydroprotoberberines, and their salts (Haworth, Perkin, and Pink), 1718.

$C_{18}H_{17}O_3Cl$ 5:7-Dimethoxy-2-phenyl-4-methylbenzopyrylium chloride, and its ferrichloride (Walker and Heilbron), 688.

$C_{18}H_{17}O_4N$ 6:7:3′:4′-Bismethylenedioxy-1:2:3:4-tetrahydroprotopapaverine, and its salts (Buck, Perkin, and Stevens), 1467.

Piperonylidene-γ-piperonylpropylamine (Baker and Robinson), 1429.

$C_{18}H_{17}O_5N$ *N*-Homopiperonylhomophthalamic acid (Haworth, Perkin, and Pink), 1718.

$C_{18}H_{17}O_5Cl$ Fisetinidin chloride trimethyl ether (+ $2H_2O$) (Pratt and Robinson), 170.

$C_{18}H_{17}O_6Cl$ Cyanidin chloride 3:3′:4′-trimethyl ether (+1½H_2O) (PRATT and ROBINSON), 1189.

Morinidin chloride 3:2′:4′-trimethyl ether (PRATT and ROBINSON), 1188.

$C_{18}H_{18}O_2N_4$ Acetophenoneoxalyldihydrazone (WILSON and PICKERING), 966.

$C_{18}H_{18}O_4N_2$ *N*-Homopiperonylhomophthalamic acid amide (HAWORTH, PERKIN, and PINK), 1718.

$C_{18}H_{18}O_6N_6$ *αγ*-Dialdehydopropane-*β*-carboxylic acid di-*p*-nitrophenylhydrazone (PERKIN and PINK), 194.

$C_{18}H_{19}O_2N$ Benzylhydrohydrastinine, and its hydrochloride (HAWORTH, PERKIN, and PINK), 1721.

$C_{18}H_{19}O_3N$ Methyl *N*-*β*-phenylethylhomophthalamate (HAWORTH, PERKIN, and PINK), 1716.

$C_{18}H_{19}O_3N_3$ 2:3-Dimethoxy-6-methylindophenazine methohydroxide (ARMIT and ROBINSON), 1616.

$C_{18}H_{20}O_2N_2$ Ethyl phenylpyruvate *p*-tolylhydrazone (WALKER), 1862.

$C_{18}H_{20}O_4N_2$ 5-Nitro-2:3-diethoxybenzylidene-*p*-toluidine (RUBENSTEIN), 2269.

$C_{18}H_{21}O_3N$ Ethyl *p*-dimethylaminobenzilate (SINGH), 2446.

1-1′-Hydroxy*cyclo*pentane-1′-carboxylylanilino*cyclo*pentane-1-carboxylactone (PLANT and FACER), 2039.

$C_{18}H_{21}O_6Br$ Ethyl *α*-carbethoxy-*α*′-bromo-*β*-phenylglutaconate (HAERDI and THORPE), 1245.

$C_{18}H_{22}O_2S$ *γγ*′-Diphenoxydipropyl sulphide (BENNETT and HOCK), 2675.

$C_{18}H_{23}O_3N$ Ethyl 3-*p*-dimethylaminophenyl-5-methyl-Δ^5-*cyclo*hexen-1-one-2-carboxylate (HEILBRON, FORSTER, and WHITWORTH), 2165.

$C_{18}H_{25}O_4N$ Ethyl 3-*p*-dimethylaminophenyl-5-methyl*cyclo*hexan-5-ol-1-one-2-carboxylate (HEILBRON, FORSTER, and WHITWORTH), 2165.

$C_{18}H_{26}O_6$ Ethyl Δ^1-*cyclo*hexene-1-acetate-2-malonate (BAKER), 988.

$C_{18}H_{27}ON_3$ Benzylidene-3-menthylsemicarbazide (WILSON and CRAWFORD), 106.

$C_{18}H_{27}O_3N$ 9-Carbethoxynonanilide (G. M. and R. ROBINSON), 177.

$C_{18}H_{37}ON$ Acetohexadecylamide (ADAM and DYER), 73.

18 IV

$C_{18}H_{10}O_4S_2Br_2$ 5:5′-Dibromo-6:6′-dimethoxy-2:2′-bisoxythionaphthen (GRIFFITH and HOPE), 990.

$C_{18}H_{14}O_2NI$ 2:3-Methylenedioxyprotoberberinium iodide (HAWORTH, PERKIN, and PINK), 1722.

$C_{18}H_{14}O_3NCl$ 3-Chloro-2-homopiperonyl-1-*iso*quinolone (HAWORTH, PERKIN, and PINK), 1717.

$C_{18}H_{16}O_3Cl_5Fe$ 3-Chloro-4′-methoxy-8-ethoxy-2-phenylbenzopyrylium ferrichloride (RIDGWAY and ROBINSON), 768.

$C_{18}H_{18}O_7N_2S$ 6′-Methylaminopiperonylideneoxindole methyl hydrogen sulphate (ARMIT and ROBINSON), 1612.

$C_{18}H_{19}O_4NS$ Toluene-*p*-sulphonyl-6-ethoxy-4-keto-1:2:3:4-tetrahydroquinoline (CLEMO and PERKIN), 2306.

$C_{18}H_{20}O_2N_2S_2$ 2:2′-Diacetylmethylaminodiphenyl disulphide (CLARK), 974.

$C_{18}H_{21}O_4NS$ Ethyl toluene-*p*-sulphonylbenzylaminoacetate (CLEMO and PERKIN), 2307.

$C_{18}H_{21}O_5NS$ Toluene-*p*-sulphonyl-*β*-*p*-phenetidinopropionic acid (CLEMO and PERKIN), 2306.

C_{19} Group.

$C_{19}H_{12}O_4$ Acetyl*iso*benzalizarin (MILLER and PERKIN), 2689.

$C_{19}H_{16}O$ Phenyl-*α*-naphthylacetone (MCKENZIE and TATTERSALL), 2528.

$C_{19}H_{16}O_5$ 1-Acetoxy-2-methoxyanthrone (MILLER and PERKIN), 2688.
7-Hydroxy-3-homopiperonyl-2-methylchromone methyl ether (BAKER and ROBINSON), 1432.
$C_{19}H_{16}O_6$ 3:4′-Dimethoxy-5:7-dihydroxy-2-styrylchromone (ROBINSON and SHINODA), 1978.
$C_{19}H_{16}O_7$ Diacetoxymethoxybenzils (MARSH and STEPHEN), 1636.
$C_{19}H_{18}O_5$ 7-Hydroxy-3-homoveratryl-2-methylchromone (BAKER and ROBINSON), 1433.
$C_{19}H_{18}O_8$ 3:3′:4′:5′-Tetramethylmyricetin (KALFF and ROBINSON), 183.
$C_{19}H_{18}N_2$ *p*-Dimethylaminobenzylidene-β-naphthylamine (WAYNE and COHEN), 460.
$C_{19}H_{20}O_2$ 3:3-Dibenzylacetylacetone (MORGAN and TAYLOR), 802.
$C_{19}H_{26}O_8$ Ethyl diacetalmalonate (PERKIN and PINK), 192.
$C_{19}H_{36}O_2$ Palmitoylacetone, and its copper salt (MORGAN and HOLMES), 2895.
$C_{19}H_{38}O_6$ Acid, and its derivatives, from saponification of cutin (LEGG and WHEELER), 1419.

19 III

$C_{19}H_{13}O_5N$ Bismethylenedioxyoxyprotoberberine (BUCK, PERKIN, and STEVENS), 1469.
$C_{19}H_{13}N_2Cl_3$ Benzophenone-2:4:6-trichlorophenylhydrazone (HUMPHRIES, HUMBLE, and EVANS), 1306.
$C_{19}H_{14}O_4N$ 2:3:10:11-Bismethylenedioxyprotoberberine, synthesis of, and its salts (BUCK, PERKIN, and STEVENS), 1468.
$C_{19}H_{14}N_2Cl_2$ Benzophenone-2:4-dichlorophenylhydrazone (HUMPHRIES, HUMBLE, and EVANS), 1306.
$C_{19}H_{14}N_4Br_2$ Dibromoformazylbenzene (CHATTAWAY and WALKER), 982.
$C_{19}H_{15}ON$ *N*-Phenylbenziminophenyl ether, molecular rearrangement of (CHAPMAN), 1992.
$C_{19}H_{15}ON_3$ 1-Keto-2-phenyl-3:5-dimethyl-1:2-dihydro-2:4:6-naphtha*iso*triazine (GULLAND and ROBINSON), 1498.
$C_{19}H_{15}O_2N$ *o*-Benzoylaminodiphenyl ether (TURNER and SHEPPARD), 546.
$C_{19}H_{15}O_4N$ Bismethylenedioxydihydroprotoberberine, and its picrate (BUCK, PERKIN, and STEVENS), 1469.
$C_{19}H_{16}O_3N_2$ 1-Cyano-6:7-dimethoxy-2-benzoyl-1:2-dihydro*iso*quinoline (HAWORTH and PERKIN), 1442.
$C_{19}H_{16}O_4N_2$ Methoxy-3′:4′-methylenedioxy-2-styryl-1-methyl-4-quinazolones (HEILBRON, KITCHEN, PARKES, and SUTTON), 2174.
$C_{19}H_{16}O_5Br_2$ 7-Hydroxy-3-homopiperonyl-2-methylchromone methyl ether dibromide (BAKER and ROBINSON), 1432.
$C_{19}H_{17}O_3Cl$ 7-Hydroxy-4′-methoxy-2-styryl-4-methylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 693.
$C_{19}H_{17}O_4N$ 2:3:10:11-Bismethylenedioxytetrahydroprotoberberine (BUCK, PERKIN, and STEVENS), 1467.
$C_{19}H_{17}O_4Cl$ 4′:7-Dihydroxy-3′-methoxy-4-styryl-2-methylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 693.
$C_{19}H_{18}O_2Te$ 4:4-Dibenzyl*cyclo*telluropentane-3:5-dione (MORGAN and TAYLOR), 803.
$C_{19}H_{18}O_3N_2$ 3′:4′-Dimethoxy-2-styryl-3-methyl-4-quinazolone (HEILBRON, KITCHEN, PARKES, and SUTTON), 2171.
$C_{19}H_{18}O_8N_6$ αγ-Dialdehydopropane-ββ-dicarboxylic acid di-*p*-nitrophenylhydrazone (PERKIN and PINK), 193.
$C_{19}H_{19}O_2N$ 2-β-Phenylethyl-4:4-dimethylhomophthalimide (HAWORTH, PERKIN, and PINK), 1715.

$C_{19}H_{19}O_5N$ Methyl *N*-homopiperonylhomophthalamate (HAWORTH, PERKIN, and PINK), 1718.

$C_{19}H_{19}O_7Cl$ Delphinidin chloride 3:3′:4′:5′-tetramethyl ether (PRATT and ROBINSON), 1189.

$C_{19}H_{20}O_6N_2$ 6′-Nitroveratrylnorhydrohydrastinine (HAWORTH and PERKIN), 1450.

$C_{19}H_{20}NI$ Benzylquinaldine ethiodide (MILLS and RAPER), 2474.

$C_{19}H_{21}O_4N$ Methyl β-toluidinobenzylmalonates (WAYNE and COHEN), 459.

$C_{19}H_{26}O_9N_4$ 4-Carbethoxybispiperidinium-1:1′-spiran picrate (MILLS and BAINS), 2506.

19 IV

$C_{19}H_{12}ON_2S_2$ Substance, from distyryl ketone and thiocyanogen (CHALLENGER and BOTT), 1041.

$C_{19}H_{14}ONCl$ *N*-Phenylbenziminochlorophenyl ethers (CHAPMAN), 1996.

$C_{19}H_{18}O_2Cl_2Te$ 4:4-Dibenzyl*cyclo*telluripentane-3:5-dione 1:1-dichloride (MORGAN and TAYLOR), 802.

$C_{19}H_{19}O_5NBr$ 6′-Bromohomoveratroylhomopiperonylamine (HAWORTH and PERKIN), 1451.

$C_{19}H_{19}O_5Cl_4Fe$ 5:7:2′:4′-Tetramethoxyflavylium ferrichloride (PRATT and ROBINSON), 1134.

$C_{19}H_{20}O_4NBr$ 6′-Bromoveratrylnorhydrohydrastinine, and its salts (HAWORTH and PERKIN), 1452.

$C_{19}H_{28}O_2NBr$ 4-Phenyl-4′-carbethoxybispiperidinium-1:1′-spiran bromides (MILLS and WARREN), 2512.

$C_{19}H_{28}O_2NI$ 4-Phenyl-4′-carbethoxybispiperidinium-1:1′-spiran iodides (MILLS and WARREN), 2512.

C_{20} Group.

$C_{20}H_{14}O_4$ Acetylbenzalizarin methyl ether (MILLER and PERKIN), 2689.

$C_{20}H_{14}O_8$ Triacetylanthragallol (KUBOTA and PERKIN), 1893.

$C_{20}H_{16}O_6$ 7-Acetoxy-3-homopiperonyl-2-methylchromone (BAKER and ROBINSON), 1431.

5:7-Diacetoxy-2-methyl*iso*flavone (BAKER and ROBINSON), 1985.

7:8-Diacetoxy-3-phenyl-2-methylbenzo-γ-pyrone (BAKER), 2357.

$C_{20}H_{16}O_7$ Diacetylgalangin 3-methyl ether (KALFF and ROBINSON), 182.

2-*o*-Methoxybenzylidene-4:6-diacetoxycoumaranone (KALFF and ROBINSON), 1969.

$C_{20}H_{16}O_8$ 2:4:6-Triacetoxybenzil (MARSH and STEPHEN), 1631.

$C_{20}H_{16}N_2$ Dimethyl-2:2′-diquinolyls, and their salts (CONOLLY), 2083.

$C_{20}H_{18}O_4$ 7-Acetoxy-3-benzyl-2:5-dimethylbenzo-γ-pyrone (BAKER), 2357.

7-Hydroxy-3-benzyl-2:5-dimethylbenzo-γ-pyrone (BAKER), 2357.

Lactone from ethyl sodiobenzylmalonate and phenacyl bromide (R. M. and J. N. RÂY), 2723.

$C_{20}H_{18}O_5$ 4-Methoxycinnamic anhydride (ROBINSON and SHINODA), 1977.

$C_{20}H_{18}O_6$ Diacetylanthrapurpurinanthranol dimethyl ether (MILLER and PERKIN), 2691.

3:7:4′-Trimethoxy-5-hydroxy-2-styrylchromone (ROBINSON and SHINODA), 1978.

$C_{20}H_{18}O_7$ 3:3′:4′-Trimethoxy-5:7-dihydroxy-2-styrylchromone (+H_2O) (ROBINSON and SHINODA), 1979.

$C_{20}H_{20}O_5$ 7-Methoxy-3-homoveratryl-2-methylchromone (BAKER and ROBINSON), 1433.

$C_{20}H_{20}O_6$ Ethyl benzoylveratroylacetate (GULLAND and ROBINSON), 1501.

$C_{20}H_{22}O_6$ Dibenzyl dimethoxysuccinate, rotation of (PATTERSON and FULTON), 2436.

$C_{20}H_{24}O_7$ Ethyl 2-benzoyl*cyclo*butane-1:2:3-tricarboxylate (ING and PERKIN), 2397.
$C_{20}H_{34}O_2$ Substance, from reduction of tagetone (JONES and SMITH), 2539.
$C_{20}H_{36}O_2$ Margaroylacetone, and its copper salt (MORGAN and HOLMES), 2895.
$C_{20}H_{40}O_2$ Arachidic acid, synthesis of (ADAM and DYER), 70.
$C_{20}H_{43}N$ Eicosylamine, hydrochloride of (ADAM and DYER), 73.

20 III

$C_{20}H_{11}O_{15}N_7$ Picryl-3-methoxy-4-picryloxybenz*syn*aldoxime (BRADY and KLEIN), 847.
$C_{20}H_{15}ON_3$ 2-α-4-Pyridylbenzyl-3-quinoxalone (SINGH), 2449.
$C_{20}H_{15}N_2Cl$ 3-Chloro-2:2-diphenyl-1:2-dihydroquinoxaline (INGOLD and WEAVER), 385.
$C_{20}H_{16}O_2N_2$ α-Naphthacarbamylcinnamaldoximes (BRADY and MCHUGH), 2426.
$C_{20}H_{16}O_7Br_2$ 2-*o*-Methoxybenzylidene-4:6-diacetoxycoumaranone dibromide (KALFF and ROBINSON), 1970.
$C_{20}H_{17}ON$ Substance, from *as*-diphenylethylene and nitrosobenzene, constitution of (BURKHARDT, LAPWORTH, and WALKDEN), 2458.
$C_{20}H_{17}O_5N$ Oxyberberine, synthesis of (PERKIN, RÂY, and ROBINSON), 740.
$C_{20}H_{18}O_4N_2$ Iminoberberine, and its hydrochloride (HAWORTH, PERKIN, and PINK), 1723.
$C_{20}H_{19}ON$ β-Amino-ααβ-triphenylethyl alcohols (MCKENZIE and WILLS), 290.
$C_{20}H_{19}O_3N_3$ 7-Methoxy-4′-dimethylamino-2-styryl-1-methyl-4-quinazolone (HEILBRON, KITCHEN, PARKES, and SUTTON), 2175.
$C_{20}H_{19}O_4N$ Anhydro-7-demethylomethylpapaverinol (HAWORTH and PERKIN), 1458.
2-Homopiperonyl-4:4-dimethylhomophthalimide (HAWORTH, PERKIN, and PINK), 1717.
$C_{20}H_{19}O_6N$ 2-Homopiperonyl-6:7-dimethoxyhomophthalimide (HAWORTH, PERKIN, and PINK), 1720.
$C_{20}H_{20}O_6N_2$ 6-Nitrotetrahydroberberine (HAWORTH and PERKIN), 1451.
$C_{20}H_{21}O_4N$ 7-Demethylomethylpapaverine (HAWORTH and PERKIN), 1458.
dl-Dicentrine, synthesis of, and its salts (HAWORTH, PERKIN, and RANKIN), 2022.
$C_{20}H_{21}O_5N$ 7-Demethylomethylpapaverinol (HAWORTH and PERKIN), 1457.
6:7:2′:3′-Tetramethoxy-2-benzyl-1-*iso*quinolone (HAWORTH and PERKIN), 1439.
6:7:3′:4′-Tetramethoxy-2-benzyl-1-*iso*quinolone (HAWORTH, PERKIN, and RANKIN), 1446.
$C_{20}H_{21}O_6Cl$ Cyanidin chloride pentamethyl ether, and its hydrochloride (PRATT and ROBINSON), 171.
$C_{20}H_{21}O_7N$ *N*-Homopiperonyl-4:5-dimethoxyhomophthalamic acid (HAWORTH, PERKIN, and PINK), 1720.
$C_{20}H_{22}O_2N_2$ *trans*-1-Methyl*cyclo*propane-1:2-dicarboxylic acid di-*p*-toluidide (INGOLD), 396.
$C_{20}H_{22}O_6N_2$ Ethyl β-*m*-nitroanilinobenzylmalonate (WAYNE and COHEN), 456.
6:7-Methylenedioxy-2′:3′-dimethoxy-2-benzyl-1-nitromethyl-1:2:3:4-tetrahydro-*iso*quinoline (HAWORTH and PERKIN), 1441.
6′-Nitroveratrylhydrohydrastinine, and its salts (HAWORTH, PERKIN, and RANKIN), 2021.
$C_{20}H_{23}O_4N$ 1-Veratrylhydrohydrastinine, and its salts (HAWORTH, PERKIN, and RANKIN), 2020.
$C_{20}H_{23}O_5N$ 1-Hydroxy-6:7:2′:3′-tetramethoxy-2-benzyl-1:2-dihydro*iso*quinoline (HAWORTH and PERKIN), 1438.
1-Hydroxy-6:7:3′:4′-tetramethoxy-2-benzyl-1:2-dihydro*iso*quinoline (HAWORTH, PERKIN, and RANKIN), 1445.

$C_{20}H_{23}O_4N$ 6:7:2′:3′-Tetramethoxy-2-benzyl-3:4-dihydro-1-*iso*quinolone (HAWORTH and PERKIN), 1440.

$C_{20}H_{24}O_4N_2$ 6′-Aminoveratrylhydrohydrastinine, and its salts (HAWORTH, PERKIN, and RANKIN), 2021.

$C_{20}H_{24}O_5N_4$ Nitrosoamine of 7-demethylomethyltetrahydropapaverine (HAWORTH and PERKIN), 1459.

$C_{20}H_{25}O_4N$ 7-Demethylomethyltetrahydropapaverine, and its picrate (HAWORTH and PERKIN,) 1459.

6:7:2′:3′-Tetramethoxy-2-benzyl-1:2:3:4-tetrahydro*iso*quinoline (HAWORTH and PERKIN), 1439.

6:7:3′:4′-Tetramethoxy-2-benzyl-1:2:3:4-tetrahydro*iso*quinoline (HAWORTH, PERKIN, and RANKIN), 1446.

$C_{20}H_{25}O_5N$ 1-Hydroxy-6:7:2′:3′-tetramethoxy-2-benzyl-1:2:3:4-tetrahydro*iso*quinoline, and its salts (HAWORTH and PERKIN), 1440.

$C_{20}H_{26}O_2S$ $\gamma\gamma'$-Di-*p*-tolyloxydipropyl sulphide (BENNETT and HOCK), 2675.

$C_{20}H_{28}O_8N_4$ Ethyl 6-phenylhexahydro-1:2:3:4-tetrazine-1:2:3:4-tetracarboxylate (INGOLD and WEAVER), 386.

$C_{20}H_{32}O_2N_2$ Myristaldehyde *p*-nitrophenylhydrazone (STEPHEN), 1876.

$C_{20}H_{41}ON$ Aceto-octadecylamide (ADAM and DYER), 73.

20 IV

$C_{20}H_{18}O_5NCl$ 3-Chloro-2-homopiperonyl-6:7-dimethoxy-1-*iso*quinolone (HAWORTH, PERKIN, and PINK), 1720.

$C_{20}H_{20}O_3NCl$ 7-Hydroxy-4′-dimethylamino-2-styryl-4-methylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 693.

$C_{20}H_{20}O_5NI$ 6:7-Methylenedioxy-3′:4′-dimethoxy-1-benzoyl-3:4-dihydro*iso*quinoline methiodide (HAWORTH, PERKIN, and RANKIN), 2020.

$C_{20}H_{21}O_6Cl_4Fe$ 3:5:7:2′:4′-Pentamethoxyflavylium ferrichloride (PRATT and ROBINSON), 1137.

$C_{20}H_{22}O_4NCl$ Ethyl β-*p*-chloroanilinobenzylmalonate (WAYNE and COHEN), 457.

$C_{20}H_{22}O_4NBr$ Ethyl β-*p*-bromoanilinobenzylmalonate (WAYNE and COHEN), 457.

6:7:2′:3′-Tetramethoxy-2-benzyl*iso*quinolinium bromide (HAWORTH and PERKIN), 1437.

6:7:3′:4′-Tetramethoxy-2-benzyl*iso*quinolinium bromide (HAWORTH, PERKIN, and RANKIN), 1445.

$C_{20}H_{22}O_4NI$ 6:7:2′:3′-Tetramethoxy-2-benzyl*iso*quinolinium iodide (HAWORTH and PERKIN), 1438.

6:7:3′:4′-Tetramethoxy-2-benzyl*iso*quinolinium iodide (HAWORTH, PERKIN, and RANKIN), 1445.

1-Veratryl-6:7-methylenedioxydihydro*iso*quinoline methiodide (HAWORTH, PERKIN, and RANKIN), 2020.

$C_{20}H_{24}O_2N_2S_2$ 2:2′-Diacetylethylaminodiphenyl disulphide (CLARK), 974.

$C_{20}H_{24}O_4NCl$ 6:7:3′:4′-Tetramethoxy-2-benzyl-3:4-dihydro*iso*quinolinium chloride (HAWORTH, PERKIN, and RANKIN), 1447.

$C_{20}H_{24}O_4NI$ 6:7:2′:3′-Tetramethoxy-2-benzyl-3:4-dihydro*iso*quinolinium iodide (HAWORTH and PERKIN), 1439.

6:7:3′:4′-Tetramethoxy-2-benzyl-3:4-dihydro*iso*quinolinium iodide (HAWORTH, PERKIN, and RANKIN), 1446.

$C_{20}H_{24}O_4NI_3$ 6:7:3′:4′-Tetramethoxy-2-benzyl-3:4-dihydro*iso*quinolinium periodide (HAWORTH, PERKIN, and RANKIN), 1447.

$C_{20}H_{24}O_4NS$ $\gamma\gamma'$-Dipropyl sulphide diphenylurethane (BENNETT and HOCK), 2673.

C_{21} Group.

$C_{21}H_{14}O_3$ 7-Hydroxy-2-phenyl*iso*flavone (BAKER and ROBINSON), 1985.
$C_{21}H_{14}O_4$ 7:8-Dihydroxy-2:3-diphenylbenzo-γ-pyrone (BAKER), 2357.
$C_{21}H_{14}O_5$ Diacetyl*iso*benzalizarin (MILLER and PERKIN), 2690.
$C_{21}H_{14}N_2$ 2-Phenylphenanthriminazole (SIRCAR and RAY), 1048.
$C_{21}H_{16}N_2$ 2-Phenyl-3-benzylquinoxaline (MALKIN and ROBINSON), 373.
$C_{21}H_{16}S_2$ Benzyl 9-anthryl disulphide (FOOTNER and SMILES), 2889.
$C_{21}H_{18}O_6$ Diacetoxy-3-benzyl-2-methylbenzo-γ-pyrones (BAKER), 2356.
$C_{21}H_{18}O_8$ Diacetoxydimethoxyflavone (KALFF and ROBINSON), 1971.
$C_{21}H_{18}O_9$ Triacetoxymethoxybenzils (MARSH and STEPHEN), 1637.
$C_{21}H_{20}O_2$ ααβ-Triphenylpropylene αβ-glycol (ROGER), 522.
$C_{21}H_{20}O_6$ 7-Acetoxy-3-homoveratryl-2-methylchromone (BAKER and ROBINSON), 1433.
$C_{21}H_{20}O_7$ 3:7:3′:4′-Tetramethoxy-5-hydroxy-2-styrylchromone (ROBINSON and SHINODA), 1979.
$C_{21}H_{20}O_9$ 2:4-Diacetoxytrimethoxybenzil (MARSH and STEPHEN), 1637.
$C_{21}H_{24}O_6$ ββ′-Dibenzyloxydiethylmalonic acid, and its salts (BENNETT), 1280.
$C_{21}H_{40}O_2$ Stearoylacetone, and its copper salt (MORGAN and HOLMES), 2895.

21 III

$C_{21}H_{12}O_3N_2$ Nitro-2-phenylphenanthroxazoles (SIRCAR and RAY), 1049.
$C_{21}H_{13}O_2N$ 2′-Hydroxy-2-phenylphenanthroxazole (SIRCAR and RAY), 1049.
$C_{21}H_{14}O_2N_2$ 1:4-*endo*-Keto-2-keto-3:3-diphenyltetrahydroquinoxaline (INGOLD and WEAVER), 384.
$C_{21}H_{14}O_5N_6$ Dinitro-derivative of anhydro-2:4-dialdehydobenzoic acid diphenylhydrazone (PERKIN and STONE), 2293.
$C_{21}H_{14}N_2S$ Naphthylaminonaphthathiazoles (HUNTER), 2272.
$C_{21}H_{16}ON_4$ Anhydro-2:4-dialdehydobenzoic acid diphenylhydrazone (PERKIN and STONE), 2292.
$C_{21}H_{16}O_2N_2$ Dianilinodialdehydobenzoic acid (PERKIN and STONE), 2292.
$C_{21}H_{18}O_2N_4$ Phenylcarbamate of benzeneazobenzylformaldoxime (WALKER), 1861.
$C_{21}H_{19}ON$ Benzoyldi-*p*-tolylamine (CHAPMAN), 1998.
N-*p*-Tolylbenzimino-*p*-tolyl ether (CHAPMAN), 1998.
$C_{21}H_{19}O_2N_3$ Benzoin-δ-phenylsemicarbazone (HOPPER), 1287.
$C_{21}H_{19}O_4N$ Ethyl diphenacylcyanoacetate (R. M. and J. N. RÂY), 2722.
$C_{21}H_{20}O_4N_2$ 2:4-Dihydroxyphenyl β-2:4-dihydroxyphenylethyl ketone phenylhydrazone (CHAPMAN and STEPHEN), 892.
$C_{21}H_{20}O_5N_2$ 1-Cyano-6:7:2′:3′-tetramethoxy-2-benzoyl-1:2-dihydro*iso*quinoline (HAWORTH and PERKIN), 1442.
$C_{21}H_{20}O_9S_3$ Glyceryl tribenzenesulphonate (FAIRBOURNE and FOSTER), 2762.
$C_{21}H_{21}ON$ *d*-β-Amino-αα-diphenyl-β-benzylethyl alcohol (MCKENZIE and WILLS), 293.
β-Amino-ααβ-triphenyl-β-methylethyl alcohol (MCKENZIE and WILLS), 292.
$C_{21}H_{22}O_2N_2$ Strychnine, aluminioxalate of (CHILD, ROBERTS, and TURNER), 2971.
$C_{21}H_{22}O_4N_2$ 1-Cyano-6:7:2′:3′-tetramethoxy-2-benzyl-1:2-dihydro*iso*quinoline (HAWORTH and PERKIN), 1438.
1-Cyano-6:7:3′:4′-tetramethoxy-2-benzyl-1:2-dihydro*iso*quinoline (HAWORTH, PERKIN, and RANKIN), 1446.
$C_{21}H_{23}O_5N$ Keto-7-demethylo-ψ-corydaline (HAWORTH and PERKIN), 1461.
$C_{21}H_{23}O_6N$ Ethyl β-carboxyanilinobenzylmalonates (WAYNE and COHEN), 456.
$C_{21}H_{23}O_7N$ Methyl *N*-homopiperonyl-4:5-dimethoxyhomophthalamate (HAWORTH, PERKIN, and PINK), 1720.

$C_{21}H_{23}O_7Cl$ Delphinidin chloride hexamethyl ether, ($+\frac{1}{2}H_2O$) and its salts (PRATT and ROBINSON), 174.

$C_{21}H_{24}O_4N_2$ 1-Cyano-6:7:2′:3′-tetramethoxy-2-benzyl-1:2:3:4-tetrahydro*iso*quinoline (HAWORTH and PERKIN), 1441.

1-Cyano-6:7:3′:4′-tetramethoxy-2-benzyl-1:2:3:4-tetrahydro*iso*quinoline (HAWORTH, PERKIN, and RANKIN), 1447.

$C_{21}H_{25}O_4N$ 7-Demethylo-ψ-corydaline (HAWORTH and PERKIN), 1460.

Ethyl β-anilino-*p*-tolylmalonate (WAYNE and COHEN), 455.

Ethyl β-toluidinobenzylmalonates (WAYNE and COHEN), 455.

$C_{21}H_{25}O_5N$ Ethyl β-anilinoanisylmalonate (WAYNE and COHEN), 458.

Ethyl β-anisidinobenzylmalonates (WAYNE and COHEN), 458.

$C_{21}H_{26}O_4N_2$ Demethylechitamine, and its hydrochloride (GOODSON and HENRY), 1646.

$C_{21}H_{26}O_5N_2$ 6:7:2′:3′-Tetramethoxy-2-benzyl-1:2:3:4-tetrahydro*iso*quincline-1-carboxylamide (HAWORTH and PERKIN), 1443.

$C_{21}H_{26}O_6N_2$ 6:7:2′:3′-Tetramethoxy-2-benzyl-1-nitromethyl-1:2:3:4-tetrahydro*iso*quinoline (HAWORTH and PERKIN), 1440.

6:7:3′:4′-Tetramethoxy-2-benzyl-1-nitromethyl-1:2:3:4-tetrahydro*iso*quinoline (HAWORTH, PERKIN, and RANKIN), 1447.

$C_{21}H_{27}O_4N$ 6:7:2′:3′-Tetramethoxy-2-benzyl-1-methyl-1:2:3:4-tetrahydro*iso*quinoline, and its picrate (HAWORTH and PERKIN), 1442.

$C_{21}H_{27}O_4N_3$ Ngaione *p*-nitrophenylhydrazone (MCDOWALL), 2203.

$C_{21}H_{31}O_4N$ *O*-Aceto-*N*-undecenovanillylamide (JONES and PYMAN), 2598.

$C_{21}H_{44}ON_2$ Eicosylcarbamide (ADAM and DYER), 73.

21 IV

$C_{21}H_{12}N_2Br_2S$ Dibromo-2-α-naphthylamino-β-naphthathiazole (HUNTER), 2272.

$C_{21}H_{14}ON_2Cl_2$ 2:2-Dichloro-1:4-*endo*-keto-3:3-diphenyltetrahydroquinoxaline (INGOLD and WEAVER), 385.

$C_{21}H_{14}N_2Br_4S$ 2-α-Naphthylamino-6-naphthathiazole tetrabromide (HUNTER), 2272.

$C_{21}H_{14}N_2Br_6S$ Naphthylaminonaphthathiazole hexabromides (HUNTER), 2273.

$C_{21}H_{15}N_2Br_3S$ Naphthylaminonaphthatriazole tribromides (HUNTER), 2272.

$C_{21}H_{15}N_2Br_7S$ 2-α-Naphthylamino-β-naphthathiazole heptabromide (HUNTER), 2272.

$C_{21}H_{18}O_6N_3As$ 3″-Nitrobenzoyl-3′-amino-4′-anisoyl-4-aminophenylarsinic acid (KING and MURCH), 2644.

$C_{21}H_{20}O_6N_3As$ 3″-Aminobenzoyl-3′-amino-4′-anisoyl-4-aminophenylarsinic acid, and its salts (KING and MURCH), 2644.

$C_{21}H_{24}O_4NCl$ Dihydro-7-demethylo-ψ-dehydrocorydalinium chloride (HAWORTH and PERKIN), 1460.

$C_{21}H_{24}O_4NI$ Dihydro-7-demethylo-ψ-dehydrocorydalinium iodide (HAWORTH and PERKIN), 1460.

$C_{21}H_{27}O_{10}N_3S_2$ Dimethoxymethyl*iso*indophenazine dimethosulphate (ARMIT and ROBINSON), 1616.

C_{22} Group.

$C_{22}H_{16}O_3$ 7-Hydroxy-3-benzyl-2-phenylbenzo-γ-pyrone (BAKER), 2355.

$C_{22}H_{16}O_4$ Dihydroxy-3-benzyl-2-phenylbenzo-γ-pyrones (BAKER), 2356.

$C_{22}H_{22}O_7$ 3:4-Dimethoxycinnamic anhydride (ROBINSON and SHINODA), 1979.

$C_{22}H_{42}O_2$ *n*-Nonadecoylacetone, and its copper salt (MORGAN and HOLMES), 2896.

$C_{22}H_{44}O_2$ Behenic acid, sodium salt, state of, in solution (LAING), 2751.

22 III

$C_{22}H_{16}O_2N_2$ *o*-Phenoxybenzeneazo-β-naphthol (TURNER and SHEPPARD), 546.

$C_{22}H_{18}ON_2$ 2-*p*-Methoxyphenyl-3-benzylquinoxaline (MALKIN and ROBINSON), 375.

2-Phenyl-3-*p*-methoxybenzylquinoxaline (MALKIN and ROBINSON), 374.

$C_{22}H_{19}O_2N_3$ Benzilmono-δ-benzylsemicarbazone (HOPPER), 1286.

$C_{22}H_{20}O_2N_4$ Phenylpyruvic acid oxime phenylcarbamate (WALKER), 1862.

$C_{22}H_{21}O_2N_3$ Benzoin-δ-benzylsemicarbazone (HOPPER), 1287.

$C_{22}H_{23}O_9N_2$ Anhydrocotarnine-6-nitro-4:5-dimethoxyphthalide (RÂY and ROBINSON), 1621.

$C_{22}H_{23}O_3N$ 3-*p*-Dimethylamino-5-*o*-hydroxystyryl-Δ^5-*cyclo*hexen-1-one (HEILBRON, FORSTER, and WHITWORTH), 2164.

$C_{22}H_{23}O_6N$ γ-*p*-Dimethylaminocinnamoyl-β-*o*-hydroxyphenylpropane-αα′-dicarboxylic acid (HEILBRON, FORSTER, and WHITWORTH), 2166.

Dimethyl-2-homopiperonyl-6:7-dimethoxyhomophthalimide (HAWORTH, PERKIN, and PINK), 1720.

$C_{22}H_{24}O_{10}S$ Tetra-acetyl glucoside (CRAIK and MACBETH), 1639.

$C_{22}H_{28}O_4N_2$ Echitamine, and its salts (GOODSON and HENRY), 1640.

$C_{22}H_{37}O_2N_3$ Palmitaldehyde-*p*-nitrophenylhydrazone (STEPHEN), 1876.

22 IV

$C_{22}H_{17}O_3Cl_4Fe$ 7-Methoxy-4-phenylflavylium ferrichloride (ARMIT and ROBINSON), 1617.

$C_{22}H_{20}O_9N_3As$ 3″-Nitro-4″-anisoyl-3′-amino-4′-anisoyl-4-aminophenylarsinic acid (KING and MURCH), 2643.

$C_{22}H_{22}O_7N_3As$ 3″-Amino-4″-anisoyl-3′-amino-4′-anisoyl-4-aminophenylarsinic acid, and its salts (KING and MURCH), 2643.

$C_{22}H_{28}O_2N_2S_2$ 2:2′-Diacetylethylamino-5:5′-dimethyldiphenyl disulphide (CLARK), 974.

$C_{22}H_{26}O_4NCl$ Anhydro-7-demethylomethyl-ψ-corydaline, and its picrate (HAWORTH and PERKIN), 1462.

$C_{22}H_{28}O_4NI$ 7-Demethylo-ψ-corydaline methiodide (HAWORTH and PERKIN), 1460.

C_{23} Group.

$C_{23}H_{16}O_4$ Acetyl derivative of 7-hydroxy-2-phenyl*iso*flavone (BAKER and ROBINSON), 1985.

$C_{23}H_{18}O_{10}$ Datiscetin tetra-acetate (KALFF and ROBINSON), 1971.

$C_{23}H_{18}O_{11}$ Tetra-acetylquercetin (KUBOTA and PERKIN), 1894.

$C_{23}H_{22}O_{10}$ 3:3′:4′:5′-Tetramethylmyricetin diacetate (KALFF and ROBINSON), 183.

$C_{23}H_{22}O_{11}$ 2:4:6-Triacetoxy-3′:4′:5′-trimethoxybenzil (MARSH and STEPHEN), 1637.

$C_{23}H_{44}O_2$ *n*-Eicosanoylacetone, and its copper salt (MORGAN and HOLMES), 2896.

23 III

$C_{23}H_{15}O_2N$ 7:8-Methylenedioxy-11-phenylindenoquinoline, and its salts (ARMIT and ROBINSON), 1610.

$C_{23}H_{17}O_4Cl$ 4′:5:7-Trihydroxy-2-phenyl-4-styrylbenzopyrylium chloride (WALKER and HEILBRON), 687.

$C_{23}H_{20}O_2N_2$ 2-*p*-Methoxyphenyl-3-*p*-methoxybenzylquinoxaline (MALKIN and ROBINSON), 376.

$C_{23}H_{20}O_2N_2$ Ethyl 3-keto-2:2-diphenyltetrahydroquinoxaline-4-carboxylate (INGOLD and WEAVER), 384.

Ethyl 4-keto-2:3:3-triphenyldimethylene-1:2-di-imine-1-carboxylate (INGOLD and WEAVER), 383.

$C_{23}H_{20}O_6S$ 7-Methoxy-4-phenylflavylium methohydroxide (ARMIT and ROBINSON), 1617.

$C_{23}H_{30}BrAs$ Phenylmesitylbenzylmethylarsonium bromide (HUNT and TURNER), 2669.

$C_{23}H_{21}O_3N_3$ Benzophenone-δ-4-carbethoxyphenylsemicarbazone (WILSON and CRAWFORD), 107.

$C_{23}H_{22}O_4N_2$ β-Phenyl-α-carbethoxyhydrazine-β-diphenylacetic acid (INGOLD and WEAVER), 383.

$C_{23}H_{23}O_4N$ 3-*p*-Dimethylaminophenyl-5-*o*-hydroxystyryl-Δ^5-*cyclo*hexen-1-one-2-carboxylic acid (HEILBRON, FORSTER, and WHITWORTH), 2164.

$C_{23}H_{24}O_2N_4$ *dl*-2′-Carboxybenzene-4-azodiphenyl-βγ-diamino-*n*-butanes, and their salts (MORGAN and SKINNER), 1739.

$C_{23}H_{24}O_6N_2$ *p*-Nitrobenzylbenzoyl-*l*-ecgonine, and its salts (GRAY), 1154.

$C_{23}H_{25}O_2N$ 3-(4′-Methoxy-2′-hydroxy)phenyl-5-*p*-dimethylaminostyryl-Δ^5-*cyclo*hexen-1-one (HEILBRON, FORSTER, and WHITWORTH), 2166.

$C_{23}H_{25}O_4N$ Benzylbenzoylecgonines, and their salts (GRAY), 1153, 1158.

$C_{23}H_{25}O_5N$ Benzyl-*o*-hydroxybenzoyl-*l*-ecgonine, and its picrate (GRAY), 1157.

o-Hydroxybenzylbenzoyl-*l*-ecgonine, and its salts (GRAY), 1155.

C_{24} Group.

$C_{24}H_{18}O_3$ 7-Methoxy-2-styryl*iso*flavone (BAKER and ROBINSON), 1986.

$C_{24}H_{18}O_4$ 7-Acetoxy-3-benzyl-2-phenylbenzo-γ-pyrone (BAKER), 2355.

$C_{24}H_{20}O_{11}$ Tetra-acetylquercetin methyl ether (KUBOTA and PERKIN), 1895.

$C_{24}H_{20}Ge$ Tetraphenylgermane (MORGAN and DREW), 1762.

$C_{24}H_{21}N$ Dibenzylquinaldine (MILLS and AKERS), 2477.

$C_{24}H_{22}O$ Benzylidenedibenzylacetone (MILLS and AKERS), 2477.

$C_{24}H_{22}N_2$ Substance, from 1-methyl-2-methylene-1:2-dihydro-β-naphthaquinoline and *p*-dimethylaminobenzaldehyde (MILLS and RAPER), 2472.

$C_{24}H_{42}O_{21}$ Maltodextrin-β (LING and NANJI), 645.

24 III

$C_{24}H_{18}OAs_2$ *oo*′-Diphenylylenearsenious oxide (AESCHLIMANN, LEES, MCCLELAND, and NICKLIN), 69.

$C_{24}H_{17}O_3N$ Anhydro-7:8-methylenedioxy-11-phenylindenoquinoline methohydroxide, and its salts (ARMIT and ROBINSON), 1611.

$C_{24}H_{19}O_4Cl$ 5:7-Dihydroxy-4′-methoxy-2-phenyl-4-styrylbenzopyrylium chloride (WALKER and HEILBRON), 687.

$C_{24}H_{25}O_4N$ Ethyl β-naphthylaminobenzylmalonates (WAYNE and COHEN), 455.

$C_{24}H_{26}O_9S_3$ Glyceryl tri-*p*-toluenesulphonate (FAIRBOURNE and FOSTER), 2762.

$C_{24}H_{27}O_4N$ Phenylethylbenzoylecgonines, and their salts (GRAY), 1155, 1158.

$C_{24}H_{27}O_5N$ Benzylhydroxymethylbenzoyl-*l*-ecgonines, and their picrates (GRAY), 1157.

$C_{24}H_{31}O_3N_3$ Ethyl 3-*p*-dimethylaminophenyl-5-methyl*cyclo*hexan-5-ol-1-one-2-carboxylate phenylhydrazone (HEILBRON, FORSTER, and WHITWORTH), 2165.

$C_{24}H_{41}O_2N_3$ Stearaldehyde *p*-nitrophenylhydrazone (STEPHEN), 1876.

C_{25} Group.

$C_{25}H_{18}O_6$ 7:8-Diacetoxy-2:3-diphenylbenzo-γ-pyrone (BAKER), 2357.

$C_{25}H_{20}O$ Phenyl-α-naphthylmethyl *p*-tolyl ketone (MCKENZIE and TATTERSALL), 2529.

$C_{25}H_{22}O$ αβ-Diphenyl-α(α-naphthyl)-propan-β-ol (MCKENZIE and TATTERSALL), 2527.

$C_{25}H_{24}N_2$ Substance, from 1-ethyl-2-methylene-1:2-dihydro-β-naphthaquinoline and *p*-dimethylaminobenzaldehyde (MILLS and RAPER), 2472.

25 III

$C_{25}H_{19}O_4Cl$ 4′:4″:7-Trihydroxy-2:4-distyrylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 694.

$C_{25}H_{21}O_4Cl$ 5:7-Dimethoxy-2′- and -4′-hydroxy-2-phenyl-4-styrylbenzopyrylium chloride (WALKER and HEILBRON), 688.

$C_{25}H_{22}O_4N_2$ Ethyl acetyl-3-keto-2:2-diphenyltetrahydroquinoxaline-4-carboxylate (INGOLD and WEAVER), 384.

$C_{25}H_{24}NI$ Dibenzylquinaldine methiodide (MILLS and AKERS), 2477.

$C_{25}H_{25}N_2I$ Substance, from β-naphthaquinaldine ethiodide and *p*-dimethylaminobenzaldehyde (MILLS and RAPER), 2472.

$C_{25}H_{27}O_4N$ Ethyl 3-*p*-dimethylaminophenyl-5-*o*-hydroxystyryl-Δ^5-*cyclo*hexen-1-one-2-carboxylate (HEILBRON, FORSTER, and WHITWORTH), 2163.

$C_{25}H_{29}O_4N$ Phenyl-*n*-propylbenzoyl-*l*-ecgonine, and its hydrochloride (GRAY), 1156.

$C_{25}H_{29}O_8N$ Benzyltropoyl-*l*-ecgonine, and its salts (GRAY), 1156.

25 IV

$C_{25}H_{22}O_3NCl$ 5:7-Dihydroxy-4′-dimethylamino-2-phenyl-4-styrylbenzopyrylium chloride, and its salts (WALKER and HEILBRON), 687.

C_{26} Group.

$C_{26}H_{20}O_6$ 5:7-Diacetoxy-3-benzyl-2-phenylbenzo-γ-pyrones (BAKER), 2356.

$C_{26}H_{22}N_4$ Benzaldehydediphenylene-4:4′-dihydrazone (CHATTAWAY, IRELAND, and WALKER), 1853.

$C_{26}H_{50}O_6$ Acid, and its salts, from saponification of cutin (LEGG and WHEELER), 1419.

26 III

$C_{26}H_{16}N_4Br_4$ 1:4-Di(2:4-dibromophenyl)-3:6-diphenyl-1:4-dihydro-1:2:4:5-tetrazine (CHATTAWAY and WALKER), 983.

$C_{26}H_{19}O_6Cl$ Trihydroxymethylenedioxy-2:4-distyrylbenzopyrylium chlorides (HEILBRON, WALKER, and BUCK), 696.

$C_{26}H_{20}O_4N_6$ Nitrobenzaldehydediphenylene-4:4′-dihydrazones (CHATTAWAY, IRELAND, and WALKER), 1854.

$C_{26}H_{21}O_4Cl$ Dihydroxymethoxy-2:4-distyrylbenzopyrylium chlorides (HEILBRON, WALKER, and BUCK), 695.

$C_{26}H_{21}O_5Cl$ Trihydroxymethoxy-2:4-distyrylbenzopyrylium chlorides (HEILBRON, WALKER, and BUCK), 695.

$C_{26}H_{23}O_5Cl$ 3′:5:7-Trimethoxy-4′-hydroxy-2-phenyl-4-styrylbenzopyrylium chloride (WALKER and HEILBRON), 689.

$C_{26}H_{24}O_4N_2$ *Py-N*-Methylphenyldiveratro*iso*harmyrine (ARMIT and ROBINSON), 1613.

$C_{26}H_{26}NI$ Dibenzylquinaldine ethiodide (MILLS and RAPER), 2473.

$C_{26}H_{29}O_4N$ Ethyl *p*-dimethylamino-*o*-methoxystyryl-Δ^5-*cyclo*hexen-1-one-2-carboxylates (HEILBRON, FORSTER, and WHITWORTH), 2164.

$C_{26}H_{29}O_5N$ Ethyl 3-*p*-dimethylaminophenyl-5-(methoxy-2′-hydroxy)styryl-Δ^5-*cyclo*hexen-1-one-2-carboxylates (HEILBRON, FORSTER, and WHITWORTH), 2165.

$C_{26}H_{32}O_6N_2$ Diacetylechitamine, hydrochloride of (GOODSON and HENRY), 1645.

$C_{26}H_{32}O_8N_4$ Ethyl 6:6-diphenylhexahydro-1:2:3:4-tetrazine-1:2:3:4-tetracarboxylate (INGOLD and WEAVER), 386.

26 IV

$C_{26}H_{22}O_4N_4As_2$ 3′-Amino-4′-hydroxybenzoyl-4-aminoarsenobenzene (KING and MURCH), 2650.

C_{27} Group.

$C_{27}H_{18}N_2$ 5:6-(2:3-Diphenylindolo) (6:7)-quinoline (ARMIT and ROBINSON), 1615.

$C_{27}H_{22}O_{14}$ Myricetin, synthesis of (KALFF and ROBINSON), 181.

$C_{27}H_{46}O$ Cholesterol, molecular weight of (PARTINGTON and TWEEDY), 496.

27 III

$C_{27}H_{21}O_6Cl$ 4″:7-Dihydroxy-3″-methoxy-3′:4′-methylenedioxy-2:4-distyrylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 696.

$C_{27}H_{23}O_4Cl$ 7-Hydroxy-4′:4″-dimethoxy-2:4-distyrylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 694.

$C_{27}H_{26}O_3NCl$ 5:7-Dimethoxy-4′-dimethylamino-2-phenyl-4-styrylbenzopyrylium chloride, and its ferrichloride (WALKER and HEILBRON), 689.

$C_{27}H_{31}O_4N$ Ethyl 1-methoxy-3-*o*-methoxyphenyl-5-*p*-dimethylaminostyryl-$\Delta^{1:5}$-*cyclo*hexadiene-2-carboxylate (HEILBRON, FORSTER, and WHITWORTH), 2165.

$C_{27}H_{33}O_3N_2$ Ethyl 3-*p*-dimethylaminophenyl-5-*p*-dimethylaminostyryl-Δ^5-*cyclo*hexen-1-one-2-carboxylate (HEILBRON, FORSTER, and WHITWORTH), 2165.

C_{28} Group.

$C_{28}H_{16}O$ Dianthranyl oxide (COOKE, HEILBRON, and WALKER), 2253.

$C_{28}H_{16}S_2$ Dianthranyl disulphide (COOKE, HEILBRON, and WALKER), 2252.

$C_{28}H_{16}S_4$ Dianthranyl tetrasulphide (COOKE, HEILBRON, and WALKER), 2254.

$C_{28}H_{20}O$ Phenyl-α-naphthylacetonaphthone (MCKENZIE and TATTERSALL), 2529.

28 III

$C_{28}H_{22}O_3N_2$ 2-Keto-3:3:4-triphenyl-1-*p*-nitrobenzyltrimethyleneimine (INGOLD and WEAVER), 386.

$C_{28}H_{24}O_2N_6$ Benzildi-δ-phenylsemicarbazone (HOPPER), 1288.

$C_{28}H_{26}O_2N_4$ Anisaldehydediphenylene-4:4′-dihydrazone (CHATTAWAY, IRELAND, and WALKER), 1853.

$C_{28}H_{27}O_2N$ *p*-Dimethylaminotetraphenylethylene glycol (SINGH), 2446.

$C_{28}H_{27}N_2I$ 6-Methyl-1:1′-diethylcarbocyanine iodide (MILLS and RAPER), 2474.

28 IV

$C_{28}H_{24}O_2N_2S_2$ 2:2′-Dibenzoylmethylaminodiphenyl disulphide (CLARK), 975.

$C_{28}H_{26}O_3NCl$ 7-Hydroxy-4′-methoxy-4″-dimethylamino-2:4-distyrylbenzopyrylium chloride (HEILBRON, WALKER, and BUCK), 695.

$C_{28}H_{28}O_6N_6S_2$ Di-4′-sulphobenzenedis-4-azodiphenyl-βγ-diamino-*n*-butanes, and their salts (MORGAN and SKINNER), 1735.

C_{29} Group.

$C_{29}H_{28}$ Tetrabenzylmethane (TROTMAN), 94.

29 II

$C_{29}H_{23}N$ 1-Methyltetraphenylpyrrole (PERKIN and PLANT), 1141.

29 III

$C_{29}H_{27}N_2Br$ 5:6-Benzo-1:1′-diethylcarbocyanine bromide (MILLS and RAPER) 2474.

29 IV

$C_{29}H_{28}O_{11}N_4As_2$ 3′-Amino-4′-anisoyl-4-aminophenylarsinic acid *s*-carbamide (KING and MURCH), 2643.

29 V

$C_{29}H_{43}O_4NBrS$ *d*-4-Phenyl-4′-carbethoxybispiperidinium-1:1′-spiran bromocamphorsulphonates (MILLS and WARREN), 2512.

C_{30} Group.

$C_{30}H_{20}O_4$ Dimethoxydianthraquinone (PERKIN and YODA), 1887.
$C_{30}H_{44}O_4$ Menthyl benzylidenemalonate (WAYNE and COHEN), 459.

30 III

$C_{30}H_{28}O_2N_6$ Benzildibenzylsemicarbazone (HOPPER), 1286.

30 IV

$C_{30}H_{28}N_4Br_6S_2$ 1-Toluidino-methylbenzthiazole tribromides (HUNTER), 2026.
$C_{30}H_{30}N_4Br_8S_2$ 1-*m*-Toluidino-*m*-toluthiazole tribromide hydrobromide (HUNTER) 2028.

C_{31} Group.

$C_{31}H_{32}ON_2$ Di-*p*-dimethylaminobenzhydryl ketone (SINGH), 2447.

C_{32} Group.

$C_{32}H_{34}$ $\alpha\delta$-Diphenyl-$\beta\gamma$-dibenzyl-$\beta\gamma$-dimethylbutane (TROTMAN), 92.
α-Phenyl-$\beta\beta$-dibenzylpropane (TROTMAN), 93.

32 II

$C_{32}H_{16}O_6$ Diacetoxynaphthadianthrone (PERKIN and YODA), 1886.
$C_{32}H_{20}O_6$ 3:6′-Diacetoxydianthraquinone (PERKIN and YODA), 1886.
$C_{32}H_{22}O_4$ 7-Cinnamoyloxy-2-styryl*iso*flavone (BAKER and ROBINSON), 1986.

32 III

$C_{32}H_{28}O_6N_2$ Anhydro-α-diphenylacetyl-α(or β)-carboxy-β(or α)-carbethoxyhydrazine-β-diphenylacetic acid (INGOLD and WEAVER), 382.

C_{33} Group.

$C_{33}H_{30}O_9$ Rottlerin, preparation of (DUTT), 2046.

C_{34} Group.

$C_{34}H_{30}O_6N_2$ Ethyl 3:5-diketo-4:4:6:6-tetraphenylhexahydropyridazine-1:2-dicarboxylate (INGOLD and WEAVER), 382.

C_{36} Group.

$C_{36}H_{36}N_4$ Cinnamaldehydediphenylene-4:4′-dihydrazone (CHATTAWAY, IRELAND, and WALKER), 1853.
$C_{36}H_{30}Ge_2$ Hexaphenyldigermane (MORGAN and DREW), 1764.
$C_{36}H_{62}O_{31}$ Maltodextrin-α (LING and NANJI), 645.

36 III

$C_{36}H_{30}OGe_2$ Triphenylgermanium oxide (MORGAN and DREW), 1763.
$C_{36}H_{51}O_4N$ Menthyl β-anilinobenzylmalonate (WAYNE and COHEN), 459.

C_{38} Group.

$C_{38}H_{76}O_2$ Dioctadecylacetic acid (ADAM and DYER), 71.

C_{39} Group.

$C_{39}H_{42}O_9$ Methoxyrottlerin (DUTT), 2047.
$C_{39}H_{76}O_4$ Dioctadecylmalonic acid (ADAM and DYER), 71.

C_{41} Group.

$C_{41}H_{40}O_{16}$ Lignol (POWELL and WHITTAKER), 134.
$C_{41}H_{44}O_{10}$ Acetylmethoxyrottlerin (DUTT), 2047.

41 III

$C_{41}H_{44}O_{10}Br_2$ Dibromoacetylmethoxyrottlerin (DUTT), 2047.

C_{44} Group.

$C_{44}H_{24}O_6$ Dibenzoyldihydroxydianthraquinone (PERKIN and YODA), 1887.

C_{47} Group.

$C_{47}H_{44}O_{16}$ Acetylrottlerin (DUTT), 2046.

47 III

$C_{47}H_{44}O_{19}Br_2$ Dibromoacetylrottlerin (DUTT), 2047.

C_{48} Group.

$C_{48}H_{40}O_4Ge_4$ Tetra-anhydrotetrakisdiphenylgermanediol (MORGAN and DREW), 1766.

$C_{48}H_{42}O_5Ge_4$ Trianhydrotetrakisdiphenylgermanediol (MORGAN and DREW), 1766.

C_{51} Group.

$C_{51}H_{57}O_6Al$ Aluminium benzoylcamphor, and its mutarotation (FAULKNER and LOWRY), 1082.

C_{56} Group.

$C_{56}H_{28}Br_2S_2$ *ms*-Dibromodiheptacyclene disulphide (COOKE, HEILBRON, and WALKER), 2254.

C_{75} Group.

$C_{75}H_{84}O_{15}$ Benzoylrottlerin (DUTT), 2047.

ERRATA.

VOL. 115 (1919).

Page	Line	
376	17	*for* "207°" *read* "175°."

VOL. 123 (1923).

2455	13*	*for* "40, 454" *read* "41, 545."
,,	1*	*for* "610" *read* "510."
2456	2	*for* "42, 930" *read* "45, 261."

VOL. 127 (1925).

264	6, 19	*for* "7·5" *read* "7·64."
,,	10	*for* "7·50" *read* "7·64."
,,	21, 30	*for* "0·996" *read* "1·01."

* From bottom.

VOL. 127 (1925).

Page	Line	
268	17	*for* "(I′)" *read* "free iodine (I)"
„	18 to 34	*replace by* "From the above data we obtain for the composition of the dark equilibrium mixture: $I' = 0{\cdot}02237$ gm.-ion per litre. $I_2 = 0{\cdot}00174$ gm.-mol. per litre. $I_2' = 0{\cdot}00638$ gm.-ion per litre. Whence we obtain $K = \frac{(1{\cdot}625 \times 10^{-2})(0{\cdot}00174)^{\frac{1}{2}}}{(0{\cdot}380 \times 10^{-2})(0{\cdot}02237)} = 7{\cdot}97$, a value much lower than those obtained by Maitland or Brönsted."
269	9	*for* "$K = 23{\cdot}6$" *read* "$K = 7{\cdot}97$."
284	11	*for* "CO_2Ph" *read* "CO_2Et."
305	3*	*for* "*Low-melting*" read "*High-melting.*"
722		Invert Fig. 1.
917	9*	atomic number of tungsten, *for* "76" *read* "74."
936	17*	*for* "Grafton" *read* "Albemarle."
944	footnote	*for* "£75" *read* "£175."
945	1*	*for* "based" *read* "placed."
1456	17	for "*ketonor-7-demethylo-ψ-corydaline*" read "*keto-7-demethylo-ψ-corydaline.*"
1461	10	*for* "XIII" *read* "XII."
1543	16 & 19	*for* "naphtholbenzoin" *read* "naphtholbenzein."
1745	Formula III.	Place "– – –" before "NMe."
1750	7	*for* "(IX)" *read* "(X)."
„	8	*add* "$CH_2{=}C{<}^{CO_2Et}_{CO_2Et}$ (X.)"
„	12	*add* "The correct arrangement is (IX)."
1819	12*	*after* "was" *insert* "converted into hydrochlorides and."
1820	6*	*before* "of" *insert* "mainly."
2403	Fig. 3	(ordinates) *for* "0, 10, 20, 30, 40" *read* "10, 20, 30, 40, 50."
2435	3	for "*Pyridine*" read "*Nicotine.*"

* From bottom.

VOL. 127 (TRANS., 1925).

Page	Line	
2997	3*	col. ii *insert* "[with *Frederick J.* **Corby**, *Oliver C.* **Elvins**, *Evelin* **Jones**, *Richard E.* **Kellett**, and *Cyril J. A.* **Taylor**]."

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List of Physico-chemical Symbols adopted by the Chemical Society.

[See J.C.S., 1921, **119**, 502—512.]

1. *Mathematical Symbols.*

	Usual symbol.	Alternative symbol.
Base of natural (Napierian) logarithms ...	e	
Diameter	d	
Radius	r	
Ratio of circumference to diameter	π	
Summation.....	Σ	
Variation	δ	
Total differential	d	
Partial differential	∂	

2. *Universal Constants.*

Acceleration due to gravity.....	g	
Mechanical equivalent of heat	J	
Avogadro's constant [number of molecules in 1 gram-molecule (mole)]	N	
Gas constant per mole	R	
Faraday's constant (number of coulombs per gram-equivalent of an ion)	F	
Charge on an electron	e	

3. *General Physics and Chemistry.*

Length	l	
Height.....	h	
Mass	m	
Time	t	
Volume	v, V	
Density (mass per unit volume)	d	D
Pressure	p, P	
Concentration	c, C	
Mole fraction	x	
Critical constants: pressure, volume, temperature (centigrade), temperature (absolute), density	p_c, v_c; t_c, T_c; d_c	
Reduced quantities: pressure, volume, temperature, density	p_r, v_r; t_r, T_r, d_r	
van der Waals's constants	a, b	
Fluidity	ϕ	
Viscosity	η	
Surface tension	γ	σ
Diffusion coefficient	Δ	
Atomic weight	A	
Molecular weight	M	
Velocity coefficient of reaction	k	
Equilibrium constant	$K, (K_c, K_p)$	
van't Hoff coefficient	i	
Degree of dissociation (electrolytic, thermal, etc.)	α	

4. *Heat and Thermodynamics.*

	Usual symbol.	Alternative symbol.
Temperature (centigrade)	t	θ
Temperature (absolute)	T	
Critical temperature	t_c, T_c	
Reduced temperature	t_r, T_r	
Critical solution temperature	t_{cs}, T_{cs}	
Quantity of heat	Q	
Entropy	S	
Specific heat	c	
Specific heat at constant pressure	c_p	
Specific heat at constant volume	c_v	
Ratio of specific heats, $c_p : c_v$	γ	
Molecular heat	C	
Molecular heat at constant pressure	C_p	
Molecular heat at constant volume	C_v	
Latent heat per gram	l	
Latent heat per mole	L	
Maximum work (diminution of free energy)	A	

5. *Optics.*

Wave-length of light	λ	
Refractive index	n	n_γ
Specific refractive power (Gladstone and Dale)	r_G, $[r_G]^t_\lambda$	
Specific refractive power (Lorentz and Lorenz)	r_L, $[r_L]^t_\lambda$	
Molecular refractive power	R_G, R_L $[R_G]^t_\lambda$, $[R_L]^t_\lambda$	
Angle of optical rotation	α	
Specific rotatory power	$[\alpha]$	
Molecular rotatory power	$M[\alpha]$	
Specific magnetic rotation	$[\omega]$	
Molecular magnetic rotation	$M[\omega]$	

6. *Electricity and Magnetism.*

Quantity of electricity	Q	
Current intensity	I	
Resistance	R	W
Electromotive force	E	
Electrode potential, or discharge potential of an ion	E	ϵ
Electrode potential referred to the normal hydrogen or normal calomel electrode respectively, the potential of which is taken as zero	E_h, E_c	ϵ_h, ϵ
Normal potential, *i.e.*, the electrode potential referred to the normal hydrogen or normal calomel electrode respectively, when the solution is molecular-normal in respect of all participating substances and ions of variable concentration	${}_0E_h$, ${}_0E_c$	${}_0\epsilon_h$, ${}_0\epsilon$
Dielectric constant	ϵ	
Conductivity (specific conductance)	κ	
Equivalent conductivity	Λ	
Equivalent conductivity at different dilutions—volumes in litres containing 1 gram-equivalent	Λ_{10}, Λ_v, Λ_∞	

6. *Electricity and Magnetism*—(continued).

	Usual symbol.	Alternative symbol.
Equivalent conductivity of kation and of anion	Λ_k, Λ_a	
Equivalent conductivity of specified ions	Λ_{K^+} $\Lambda_{Cl'}$	
Molecular conductivity	μ	
Velocity of kation and of anion in cm./sec. when the potential gradient is 1 volt per cm.	U_k, U_a	
Transport number of kation and of anion	n_k, n_a	
Magnetic permeability	μ	
Magnetic susceptibility	κ	

List of Symbols, Arranged Alphabetically.

Symbol.	Name of quantity.
A	Atomic weight; maximum work.
a	Van der Waals's constant.
b	Van der Waals's constant.
C	Concentration; molecular heat.
c	Concentration; specific heat.
C_p, C_v	Molecular heat at constant pressure, and at constant volume.
c_p, c_v	Specific heat at constant pressure, and at constant volume.
D	Alternative symbol for density.
d	Diameter; total differential; density.
d_c	Critical density.
δ	Reduced density.
E	Electromotive force; electrode potential.
e	Base of Napierian logarithms; charge on an electron.
E_h, E_c	Electrode potential referred to the normal hydrogen or the normal calomel electrode, respectively, the potential of which is taken as zero.
${}_0E_h$, ${}_0E_c$	Normal potential, that is, the electrode potential referred to the normal hydrogen or the normal calomel electrode respectively, when the solution is molecular-normal in respect of all participating substances and ions of variable concentration.
F	Faraday's constant (number of coulombs per gram-equivalent of an ion).
g	Acceleration due to gravity.
h	Height.
I	Current.
i	Van't Hoff's coefficient.
J	Mechanical equivalent of heat.
K	Equilibrium constant.
K_c, K_p	Equilibrium constant, when molar concentrations and partial pressures respectively are employed.
k	Velocity coefficient of reaction.
L	Latent heat per mole.
l	Length; latent heat per gram.
M	Molecular weight.
$M[\alpha]$	Molecular rotatory power.
$M[\omega]$	Molecular magnetic rotatory power.
m	Mass.
N	Avogadro's constant (Loschmidt's number) or number of molecules in 1 gram-molecule.
n	Refractive index.

List of Symbols, Arranged Alphabetically—(continued).

Symbol.	Name of quantity.
n_k, n_a	Transport number of kation and of anion.
n_r	Refractive index (alternative symbol).
P	Pressure.
p	Pressure.
p_c, p_r	Critical pressure : reduced pressure.
Q	Quantity of heat; quantity of electricity.
R	Gas constant per mole; electrical resistance.
R_G, R_L	Molecular refractive power, according to Gladstone and Dale, and to Lorentz and Lorenz respectively.
r	Radius.
r_G, r_L	Specific refractive power according to Gladstone and Dale, and to Lorentz and Lorenz respectively.
S	Entropy.
T	Absolute temperature.
T_c	Critical temperature (on the absolute scale).
T_r	Reduced temperature (absolute).
T_{cs}	Critical solution temperature (absolute).
t	Time; temperature (centigrade).
t_c	Critical temperature (centigrade).
t_{cs}	Critical solution temperature (centigrade).
t_r	Reduced temperature (centigrade).
U_k, U_a	Velocity of kation and of anion in cm./sec. when the potential gradient is 1 volt per cm.
V	Volume.
v	Volume.
v_c, v_r	Critical volume : reduced volume.
W	Electrical resistance (alternative symbol).
x	Mole fraction.
α	Degree of dissociation (electrolytic, thermal, etc.); angle of optical rotation.
$[\alpha]$	Specific rotatory power.
γ	Surface tension; ratio of specific heats.
Δ	Diffusion coefficient.
δ	Variation.
∂	Partial differential.
ϵ	Electrode potential (alternative symbol); dielectric constant.
ϵ_h, ϵ	Electrode potential referred to the normal hydrogen or the normal calomel electrode respectively, the potential of which is taken as zero (alternative symbols).
${}_0\epsilon_h$, ${}_0\epsilon$	Normal potential, that is, the electrode potential referred to the normal hydrogen or the normal calomel electrode respectively, when the solution is molecular-normal in respect of all participating substances and ions of variable concentration (alternative symbols).
η	Viscosity.
θ	Temperature (centigrade), (alternative symbol).
κ	Specific conductance (conductivity); magnetic susceptibility.
Λ	Equivalent conductivity.
Λ_{10}, Λ_v, Λ_∞	Equivalent conductivity at different dilutions (volumes in litres containing 1 gram-equivalent).
Λ_k, Λ_a	Equivalent conductivity of kation and of anion.
λ	Wave-length of light.
μ	Molecular conductivity; magnetic permeability.
π	Ratio of circumference to diameter.
Σ	Summation.
σ	Surface tension (alternative symbol).
ϕ	Fluidity.
$[\omega]$	Specific magnetic rotation.

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1925. Vol. CXXVII. Pt I

LONDON: 0802 e

GURNEY & JACKSON, 33, PATERNOSTER ROW, E.C. 4.

1925.

PRINTED IN GREAT BRITAIN BY
RICHARD CLAY & SONS, LIMITED,
BUNGAY, SUFFOLK.